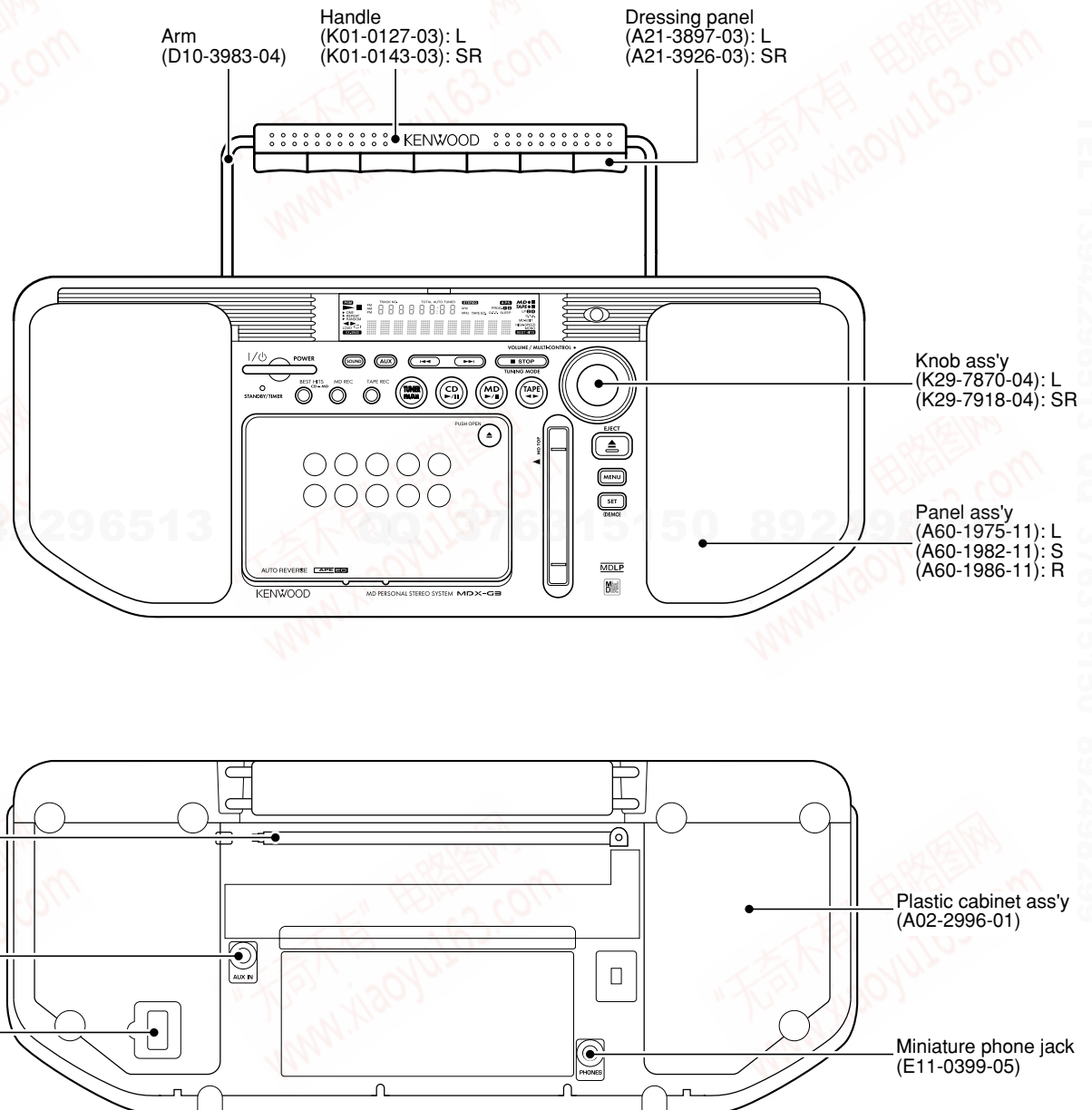


# MDX-G3

## SERVICE MANUAL



**L: BLUE, S: SILVER, R: RED**

In compliance with Federal Regulations, following are reproduction of labels on, or inside the product relating to laser product safety.

**Note:** Please contact KENWOOD service in your side if you want to get the AC power cord.

KENWOOD-Corp. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, subchapter J.

**DANGER : Laser radiation when open and interlock defeated.**  
**AVOID DIRECT EXPOSURE TO BEAM.**



# MDX-G3

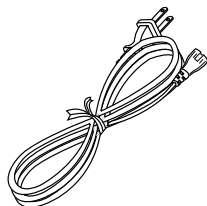
## CONTENTS / ACCESSORIES / CAUTIONS

### Contents

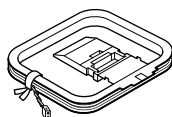
CONTENTS / ACCESSORIES / CAUTIONS .....	2	PC BOARD .....	13
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### Accessories

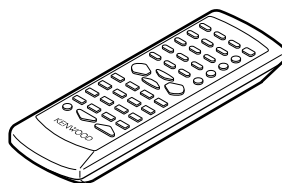
POWER cord (1)  
(E30-2927-05)



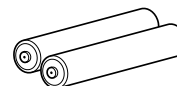
AM loop antenna (1)  
(T90-0865-05)



Remote control unit (1)  
(A70-1449-05)



Batteries(R6/AA)  
for remote (2)



Battery cover (A09-1151-08)

### Cautions

#### Operation to reset

The microcomputer may fall into malfunction when a cord is unplugged and plugged again while the unit is ON or due to an external cause. In such a case, the microcomputer should be reset as described below:

Unplug the power cord from the wall outlet and, while holding the POWER key depressed, plug the power cord again. This initializes the microcomputer. Note that this clears the previously stored memory.

#### Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

1. Remove the CD or MD from the unit.
2. Press the MD ►/■ key.
3. Wait for some time and verify that the display becomes as shown in the figure.

MD NO DISC

4. Press the CD ►/■ key.
5. Wait for some time and verify that the display becomes as shown in the figure.

CD NO DISC

6. Wait a few seconds and turn the unit off.

#### Memory backup function

Stored contents which are cleared immediately when power plug is unplugged from power outlet.

- Clock display(Backed up for 3 min.)

Stored contents which are cleared in at least a day after power plug is unplugged from power outlet.

##### ● Amplifier section

- Input selection
- Volume control value
- AUX input level
- Tone control levels
- Timer setting contents

##### ● Tuner section

- Receiving band
- Frequency
- Preset stations
- Auto tuning setting

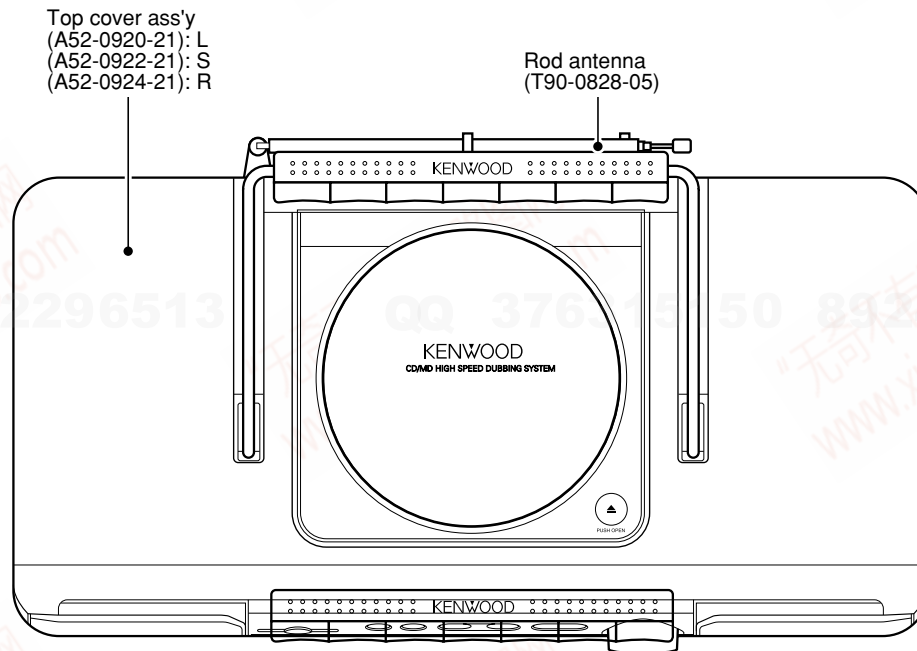
##### ● Cassette deck

- Tape transport direction
- Tape equalizer
- Tape reverse mode

##### ● MD recorder

- Recording mode
- Recording speed

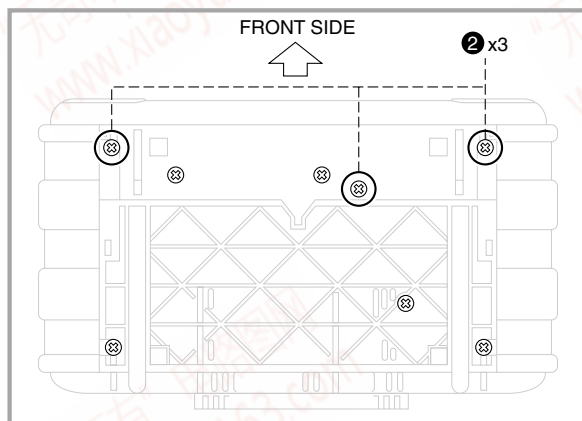
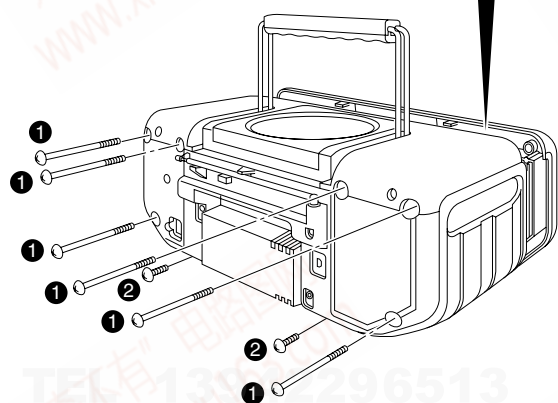
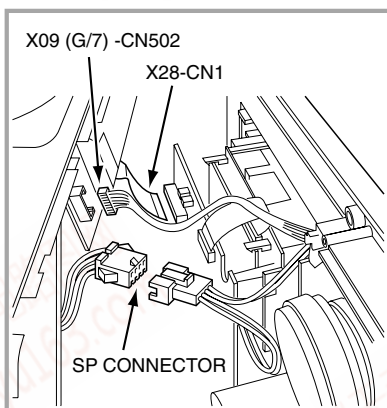
## EXTERNAL VIEW



## DISASSEMBLY FOR REPAIR

### 1. How to Remove Front Panel

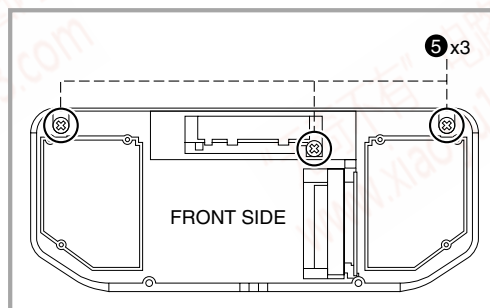
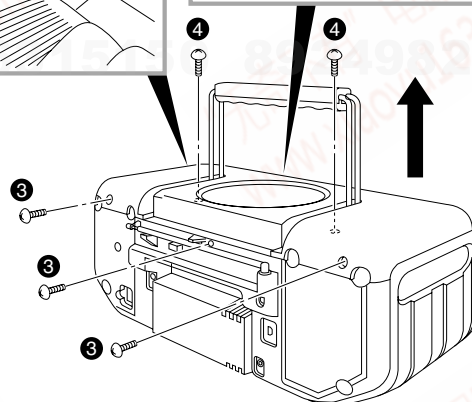
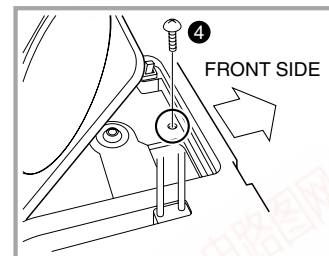
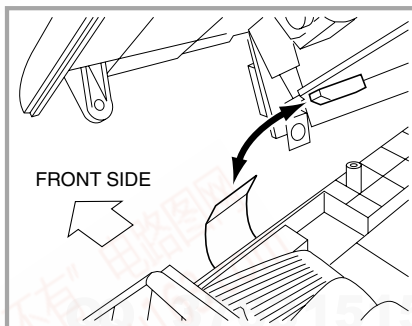
1. Remove 6 screws(❶) from the rear side.
2. Remove 2 screws(❷) from the bottom side.
3. Slide the front panel frontwards and pull out the connectors and FPC.
4. Remove the front panel from the rear cabinet.



### 2. How to Remove Top Panel

1. Remove 3 screws(❸) from rear side.
2. Remove 3 screws(❹) from top side.
3. Remove 3 screws(❺).
4. Lift the top cover.

Note: You need to pull out FPC on the rear side of top cover.



## CIRCUIT DESCRIPTION

## 1. Initializing

## 1-1 Initialization Method

- While pressing the [POWER] key, turn the AC on.

## 1-2 Initialization Operation

- During the initial operation, the display shows "INITIALIZE" and after that it will be returned to standby condition.
- If any mechanism error occurred, the error indication is displayed as "ERR" on the display.

## 1-3 Mechanism Initialization

- ① CD Mechanism
  - If a mechanism error occurred, the error indication is displayed as "C ERR" on the display.
- ② Deck Mechanism
  - If a mechanism error occurred, the error indication is displayed as "T ERR" on the display.
- ③ MD Mechanism
  - If a mechanism error occurred, the error indication is displayed as "M ERR" on the display.
  - The disc will be unloaded from MD mechanism automatically, if a disc is in it.

## 2. Tuner Destination

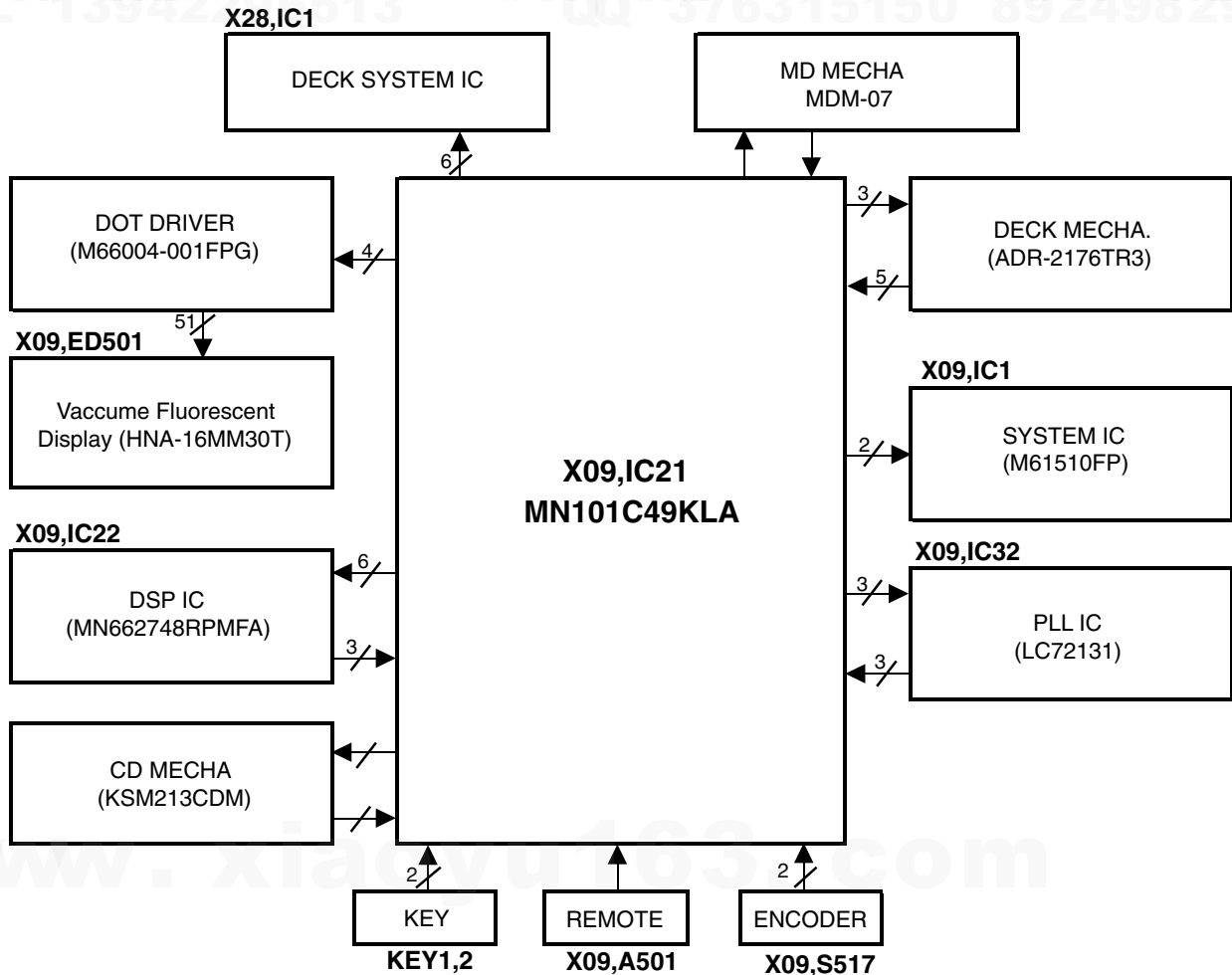
Set	Destination	Band	Receiving Frequency Range	Channel Space	IF	RF
M	E1	FM	87.5MHz~108.0MHz	50kHz	+10.7MHz	25kHz
M	E1	AM	531kHz~1602kHz	9kHz	+450kHz	9kHz

## 3. Tuner Preset Frequency

P.CH	Band	Frequency	P.CH	Band	Frequency
1	FM	98.30MHz	16	FM	98.00MHz
2	FM	87.50MHz	17	FM	98.50MHz
3	FM	108.00MHz	18	FM	87.50MHz
4	FM	89.10MHz	19	AM	990kHz
5	FM	90.00MHz	20	FM	97.70MHz
6	FM	87.50MHz	21	AM	531kHz
7	FM	87.50MHz	22	FM	87.50MHz
8	FM	87.50MHz	23	FM	87.50MHz
9	AM	1602kHz	24	FM	87.50MHz
10	AM	999kHz	25	FM	87.50MHz
11	AM	630kHz	26	FM	87.50MHz
12	AM	1440kHz	27	FM	87.50MHz
13	FM	106.0MHz	28	FM	87.50MHz
14	AM	531kHz	29	FM	108.0MHz
15	FM	87.50MHz	30	AM	945kHz

## 4. Microprocessor : MN101C49KLA(X09,IC11)

## 4-1 Microprocessor Periphery Block Diagram





## CIRCUIT DESCRIPTION

## 4-2 Key Matrix

Input Voltage Value : 4.6V

Input Voltage(V)	KEY2(Pin7)	KEY1(Pin8)
0.00~0.45	POWER	BEST HITS
0.43~1.10	SOUND	MD REC
1.13~1.78	AUX	TAPE REC
1.81~2.37	SKIP DOWN	TUNER
2.41~2.80	SKIP UP	CD PLAY/PAUSE
2.84~3.25	STOP	MD PLAY/PAUSE
3.29~3.68	MD EJECT	TAPE PLAY
3.72~4.22	MENU	SET/DEMO
4.24~4.60	KEY OFF	KEY OFF

## ② Tuner Destination(Pin3)

Input Voltage(V)	Type
0.00~2.50	J(Japan)
2.51~4.6	M(Asia)

## ③ Voltage Protection(Pin4)

Input Voltage(V)	Protection
0.00~2.50	ON
2.51~4.6	OFF

## ④ CD Protection(Pin5)

Input Voltage(V)	Protection
0.00~1.49	ON
1.50~3.49	OFF
3.50~4.6	ON

## 4-3 Voltage Value of Control Port

## ① Deck Reel Pulse

Input Voltage(V)	Active
0.00~1.94	LOW
1.95~2.91	-
2.92~4.6	HIGH

## 4-4 Port Description of Microprocessor

Port No.	Port Name	I/O	Description	Active	
				H	L
1	GND	—	Connected to ground.		
2	PHOTO	I	Deck reel sensor input.		
3	TYPE	I	Discrimination of tuner destination.		
4	PROTECTION	I	Detection port for power supply protection.		
5	CD PROTECT	I	Detection port for CD protection.		
6	MD BACKV	I	Detection port for MD back up voltage.		
7,8	KEY2,KEY1	I	A/D key (1,2) input.		
9	KEY3	—	Unused.		
10	VREF+	—	A/D reference voltage input for the A/D converter.		
11	VDD	—	Power supply input (+5V).		
12	OSC2	O	Main clock output (8.38MHz).		
13	OSC1	I	Main clock input (8.38MHz).		
14	GND	—	Connected to ground.		
15	XI	I	Timer clock input (32kHz).		
16	XO	O	Timer clock output (32kHz).		
17	GND	—	Connected to ground.		
18	MD TXD	O	MD communication TX (to mecha. u-com RX).		
19	MD RXD	I	MD communication RX (to mecha. u-com TX).		
20	NC	-	Unused.		
21	FL SDATA	O	Data output to FL dot driver.		
22	NC	-	Unused.		
23	FL SCLK	O	Clock output to FL dot driver.		
24	FLRESET	O	Reset output to FL dot driver.		Reset
25	FL CE	O	CE output to FL dot driver.		
26	REM	I	Remote control signal input.		
27	MODEL TYPE	I	Discrimination port for model type.	Fixed	
28	CD BLKCK	I	Sub code synchronous signal input.		
29	RDSCLK	-	Unused.		
30,31	ENC A,B	I	Volume encoder (A/B) input.		
32	VDD2	-	Microcomputer power supply (+5v).		
33	RESET	I	Reset signal input for microcomputer.		Reset
34	CE	I	Back up detection input.	AC On	AC Off
35	OP/CL SW	I	Input port of detection switch for CD open/close.		
36	SLTSW	I	CD start switch input.		
37	XRST	O	CD DSP reset output.		Reset
38~40	NC	-	Unused.		

## CIRCUIT DESCRIPTION

Port No.	Port Name	I/O	Description	Active	
				H	L
41	VPP	-	Microcomputer power supply (+5v).		
42	MDATA	O	CD DSP command data output.		
43	STAT	I	CD DSP status signal input.		
44	MCLK	O	CD DSP command clock signal output.		
45	MLD	O	CD DSP command load signal output.		
46	SUBQ	I	CD sub code input.		
47	SQCK	O	Clock output for CD sub code.		
48	EEP SDA	-	Unused.		
49	EEP SCL	-	Unused.		
50	HI SPEED	-	Unused.		
51	OPEN	-	Unused.		
52	CLOSE	-	Unused.		
53	MD CE	I	Detection port for MD back up.		
54	MD RST	I	Reset output from MD mechanism.		
55	INI MD SW	I	Unused.		
56	BACK CHK	-	Unused.		
57	BACK ON	-	Unused.		
58	MD IN SW	I	Load switch input for MD disc.		
59	NC	-	Unused.		
60	PLAY SW	I	Detection switch input of head position for deck.		
61	CrO2 SW	-	Unused.		
62	HALF SW	I	Cassette half switch input.		
63	REC F SW	I	Deck forward recording switch input.	OFF	ON
64	CPM	O	Control port of capstan motor for deck.		
65	REC R SW	I	Deck reverse recording switch input.	OFF	ON
66	SOL	O	Control port of solenoid for deck.		
67	LMUTE	O	Deck line mute control.	ON	
68	A/B-1	O	Deck recording mute & head select control 1.		
69	A/B-2	O	Deck recording mute & head select control 2.		
70	B I / II	-	Unused.		
71	NOR	-	Unused.		
72	BIAS	O	Control port of bias on/off for deck.	ON	OFF
73	R/P	O	Deck recording & playback changeover.	Recording	Playback
74	BEAT_C	O	On/off control port of beat cancel for deck.	ON	OFF
75	NC	O	Unused.		
76	EVCLK	O	Sound controller clock output.		
77	EVDATA	O	Sound controller data output.		
78	ST	-	Unused.		
79,80	NC	-	Unused.		
81	LED STBY GRN	O	Standby led(green) control port.	OFF	ON
82	LED STBY RED	O	Standby led(red) control port.	OFF	ON
83,84	NC	-	Unused.		
85	CD POWER	O	CD DSP power on/off changeover control.	ON	OFF
86	AMP ON/OFF	O	On/off control port for amplifier circuit.		
87	AMUTE	O	Audio mute output.		
88	POWER	O	Power relay control.		
89~92	NC	-	Unused.		
93	ST	I	Stereo detector input.		
94	SD	I	SD detector input.		
95	GND	-	Connected to ground.		
96	PLL DATA	O	PLL IC data output.		
97	PLL CLK	O	PLL IC clock output.		
98	PLL DO	I	PLL IC data input.		
99	PLL CE	O	PLL IC chip enable output.		
100	DAVDD	I	D/A converter positive voltage.		

## CIRCUIT DESCRIPTION

## 5. Test Mode

## 5-1 Setting method of the Test Mode

TEST MODE	SETTING METHOD
CD MODE	CD PLAY Key + AC-ON
MD MODE	MD PLAY Key + AC-ON
DECK MODE	TAPE PLAY/REVERSE Key + AC-ON
*SUB CLOCK OSC DIAGNOSIS	STOP Key + AC-ON

\* The oscillation diagnosis(existence of oscillation and measurement of period) of a sub clock is performed before the test mode is entered. If the diagnosis result is OK, the system enters the test mode.

If the diagnosis result is NG, the oscillation of the sub clock is diagnosed again. If the result is OK, the system enters the test mode. If the diagnosis result is continuously NG 5 times, the system stops with "ERR1"and "ERR2"displayed.

## 5-2 Cancel of the test mode

- By turning the AC off, the system is initialized and the test mode is canceled.
- Cancel the test mode only if the power switch is turned off.

## 5-3 Contents of the Test Mode

- The muting during mode selection is not controlled in the test mode.
- During the test mode, it can be operated in a special manner that is different from an ordinary operation by using the keys on the main body, specifically as shown in the next page.

## 5-4 CD Test Mode

KEYS	DISPLAY	OPERATION
CD-PLAY/PAUSE  (Cyclically changed the mode 05 and 03 by pressing the key.)	05 * * : * *	Tracking-servo on.
	( * * : * *) Time Display	
CD STOP  (Cyclically changed in the stop mode only.)	03 * * : * *	Tracking-servo off.
	( * * : * *) Time Display	
	01 --:--	Stop the CD operation.
	07 FG/FE	Adjustment value/mean value
	08 FB/FO	FG value /FE value
SKIP UP SKIP DOWN	09 TG/TE	FBAL value /FO value
	10 TB/TO	TG value /TE value
SKIP UP SKIP DOWN	01 TB/TO	TBAL value /TO value
	Ex.01~02	Track No up.
SKIP UP SKIP DOWN	Ex.02~01	Track No down.
	Normal Indication	Play the first track No in the stop mode.
	Normal Indication	Play the last track No in the stop mode.
BEST HITS		CD FF search. The pickup travels outward in the stop mode.
SOUND		CD FB search. The pickup travels inward in the stop mode.

## 5-5 Deck Test Mode

KEYS	DISPLAY	OPERATION
TAPE REC	TAPE	*4 Seconds Recording If the REC/ARM key is pressed, the system record for 4 seconds. Then, it rewinds to the REC starting position and plays back automatically. If the REC/ARM key is pressed, during the 4 seconds REC operation, the system records further for 4 seconds, then returns to the starting position of the first 4 seconds REC operation and plays back.
SOUND	Beat-C ON	Beat cancel will be on while pressing the sound key.
MENU	NORMAL INDICATION	Changeover the EQ. on/off cyclically.



## CIRCUIT DESCRIPTION

\* Mechanism half switches indication The mechanism half switches status are indicated "blank" or "E" on the display.

7th Dot(Display)	1st figure	2nd figure	3rd figure	4th figure
Mechanism Half Switch	FWD REC Inhibit Detection SW	RVS REC Inhibit Detection SW	CrO2(TYPE II) Detection SW	Cassette Half Detection SW
ON	Blank	Blank	Blank	Blank
OFF	E	E	E	E

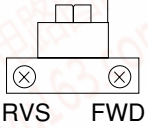
## 5-6 MD Test Mode

KEYS	DISPLAY	OPERATION
BEST HITS	Normal Indication	Hi-speed O.T.E.(CD→MD) operation in the stop mode.
	FF	MD FF search in the play mode.
SOUND	DIGITAL or ANALOG	The digital and analog can be changed cyclically by pressing the "SOUND" key.
	FB	MD FB search in the play mode.
STOP	01 -- : --	Stop the MD operation.
MD REC	Normal Indication	Start the MD recording with LP4 mode.
SET	ALL ERASE	Stop the MD operation and start operation of ALL- ERASE if disc is recordable.

## ADJUSTMENT

### Cassette Deck adjustment

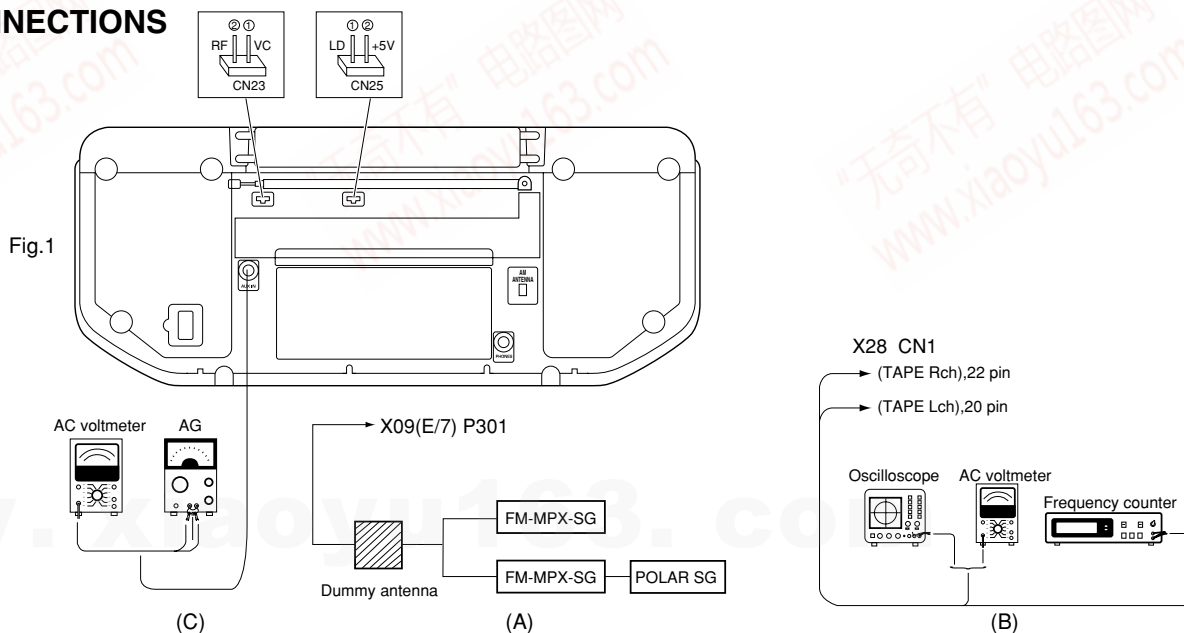
0dBs=0.775V

No	ITEM	INPUT SETTING	OUTPUT SETTING	DECK SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
I . CASSETTE MECHANISM UNIT							
< 1 >	Demagnetization and cleaning	—	—	Demagnetization: POWER OFF Cleaning: PLAY	Recording head, erase head, capstan pinch roller	Demagnetize the REC / PLAY head with the head eraser. Clean the REC / PLAY head, erase head, capstan and pinch roller using a cotton swab slightly damped with alcohol.	
< 2 >	Azimuth of the REC/PLAY head	SCC-1727 TCC-153 MTT-114 10kHz, - 10dB	(B)	PLAY		Adjust the output to maximum and adjust the azimuth adjustment screw for the Lissajours waveform pattern of the oscilloscope to become close to a 45° straight line.	Fig.1
< 3 >	TAPE SPEED (NORMAL)	TCC-110 MTT-111 SCC-1727 3kHz	(B)	PLAY	Trimming pot in the motor.	Check the tape speed so that 3kHz(±2%) is obtained at the center of the tape.	Fig.1
II . PC BOARD ADJUSTMENT							
< 1 >	BIAS CURRENT	(C) Connect the AG to jack. 400Hz: - 20dBs 12.5kHz: - 20dBs	(B)	REC and PLAY	VR 1 (L) VR 2 (R)	Record 400Hz and 12.5kHz alternately, and adjust the bias current adjustment potentiometer for the playback levels to become the same.	

### Tuner adjustment

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION :		SELECTOR : FM					
1	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, ±75kHz dev. 37.2dBf (ANT. input)	(B)	MONO 98.0MHz	VR301 (X09)	Adjust VR1 and stop at the point where ED501(TUNED) goes on.	Fig.1

### SYSTEM CONNECTIONS



## ADJUSTMENT

## CD player check

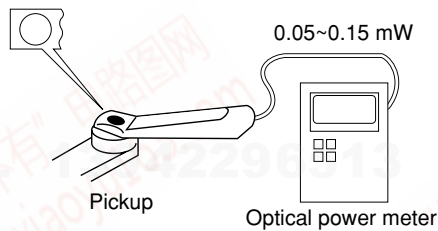
No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
Step 1~2 are in TEST MODE							
TEST MODE : While pressing the [CD PLAY/PAUSE] key, turn power on.							
1	LASER POWER	—	Set the sensor section of the optical power meter on the pickup lens.	Short circuit OPEN/CLOSE SW. Press the "PLAY" key to check that the display is "03".	—	On the power from 0.05 to 0.15mw. when the diffraction grating is correctly aligned with the RF level of 0.8Vp-p or more	(a)
2	LASER CURRENT	Test disc Type 4	Connect the DC voltmeter to CN25(#1 and #2) in X09	Press the "PLAY" key to check that the display is "03" or "05"	—	220mV to 550mV	

Note:

Type 4disc :SONY YEDS-18 Test Disc or equivalent. (KTD-02)

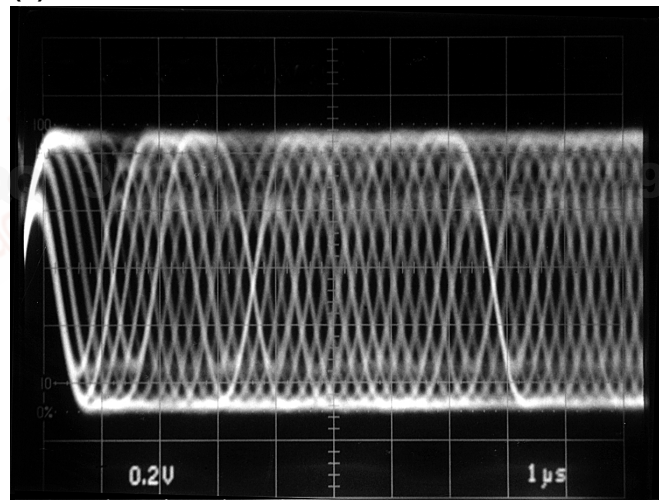
LPF : Around 47k $\Omega$  + 390pF or so.

## (a) Laser Power



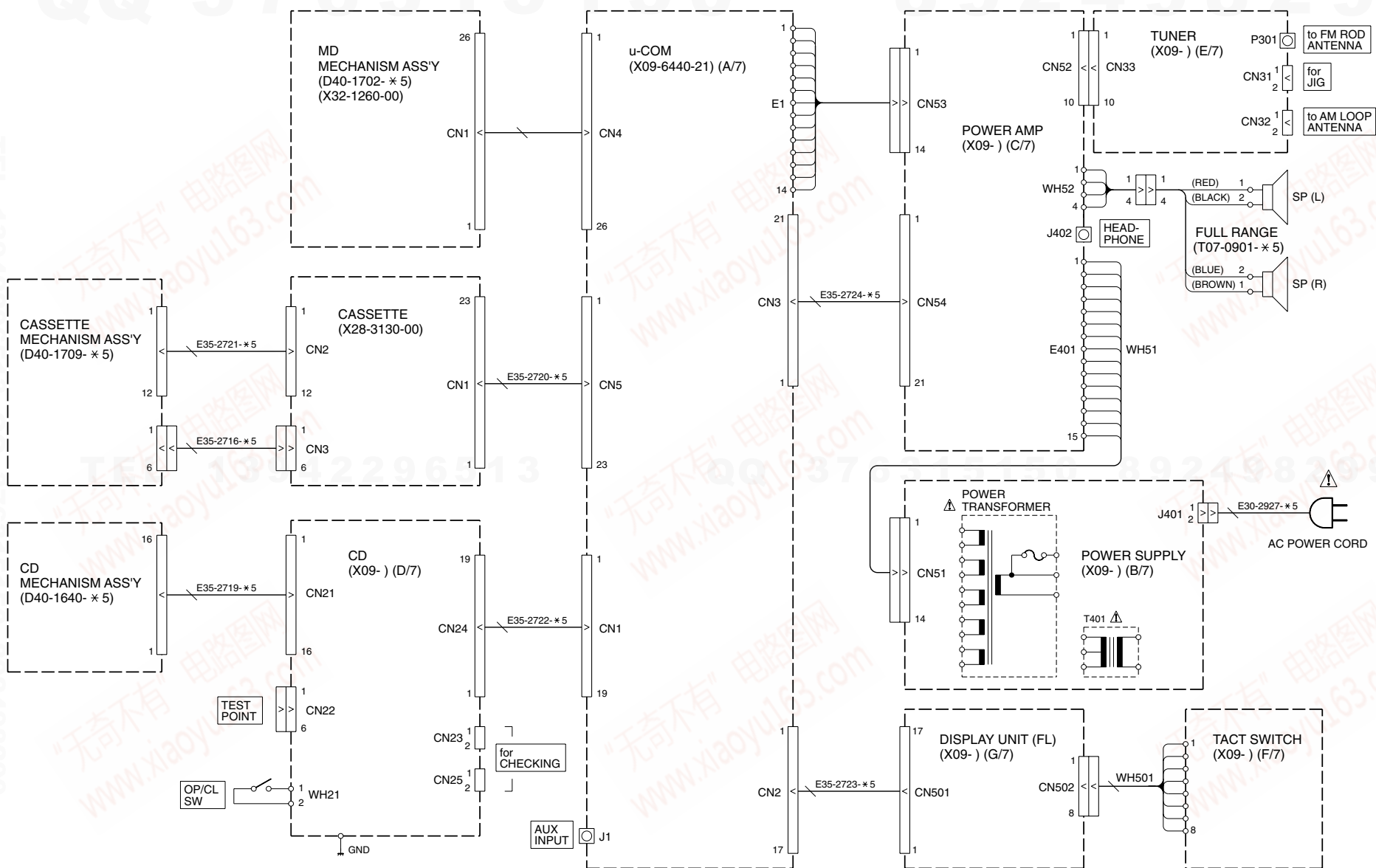
## (d)

RF signal: AC coupled



- RF signal in test mode (PLAY).
- Perform the tangential and focusing offset are focused into one point on the display. The crossing points above and below the center shall also be looked clearly.

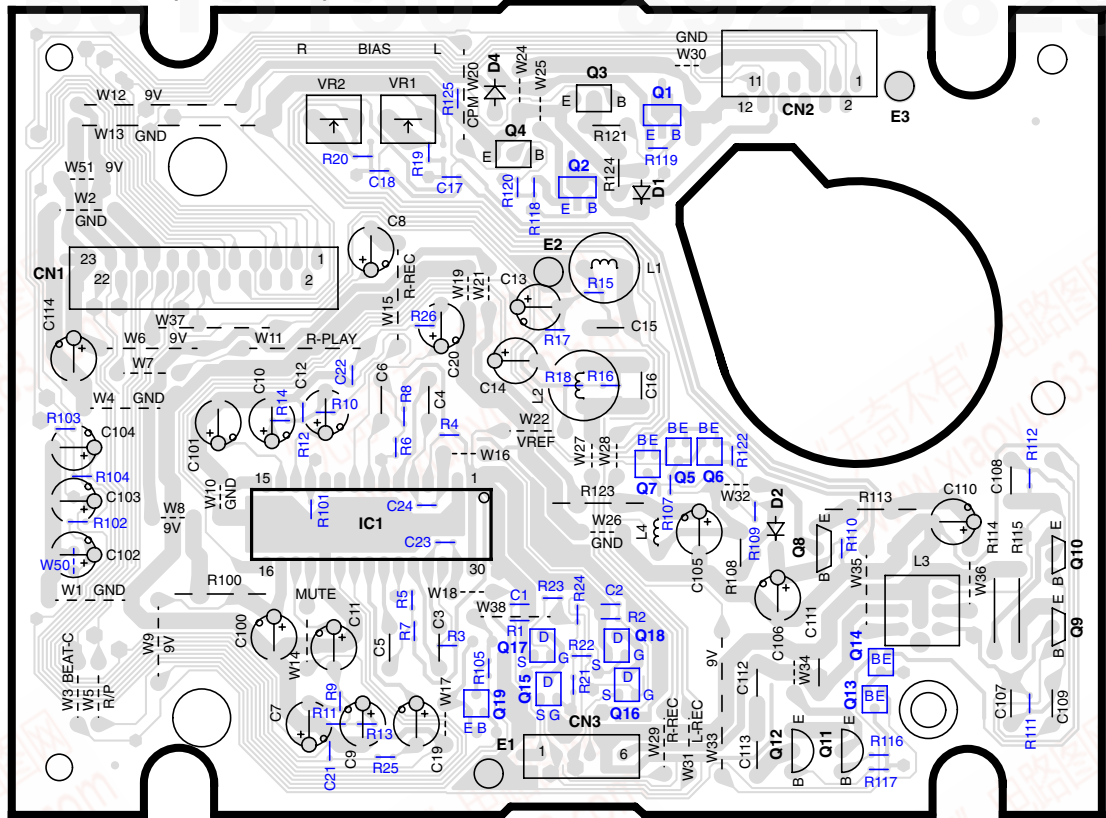
## WIRING DIAGRAM



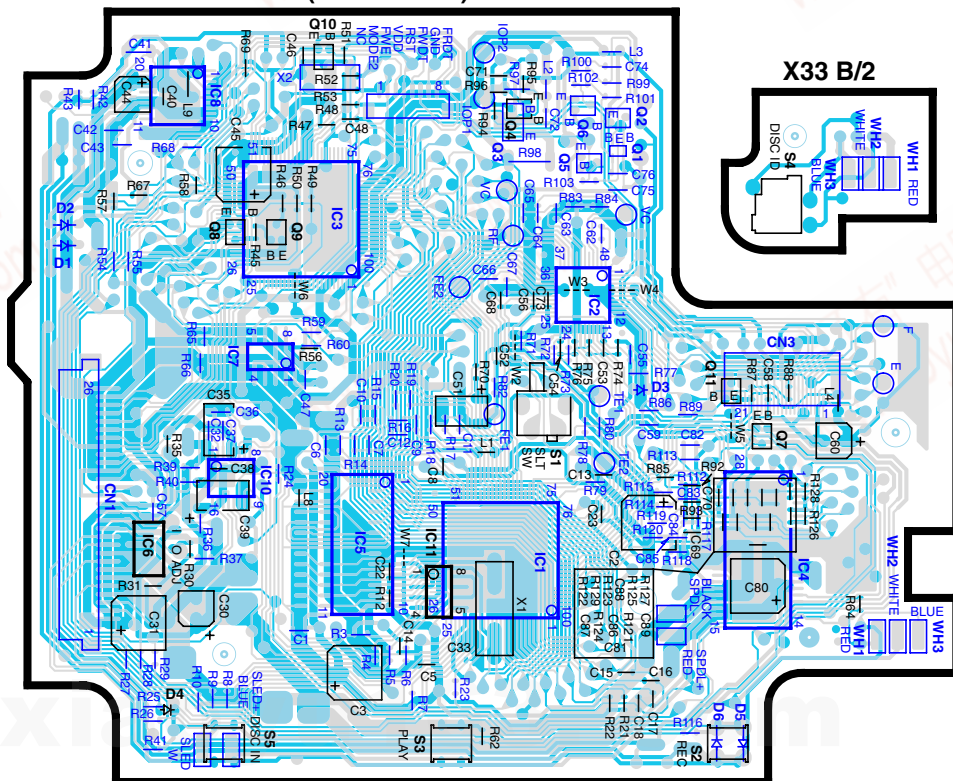
MDX-G3

# PC BOARD (Component side view)

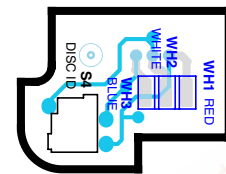
X28-3130-00 (J70-1471-11)



X33-1260-00 A/2 (J70-1452-02)

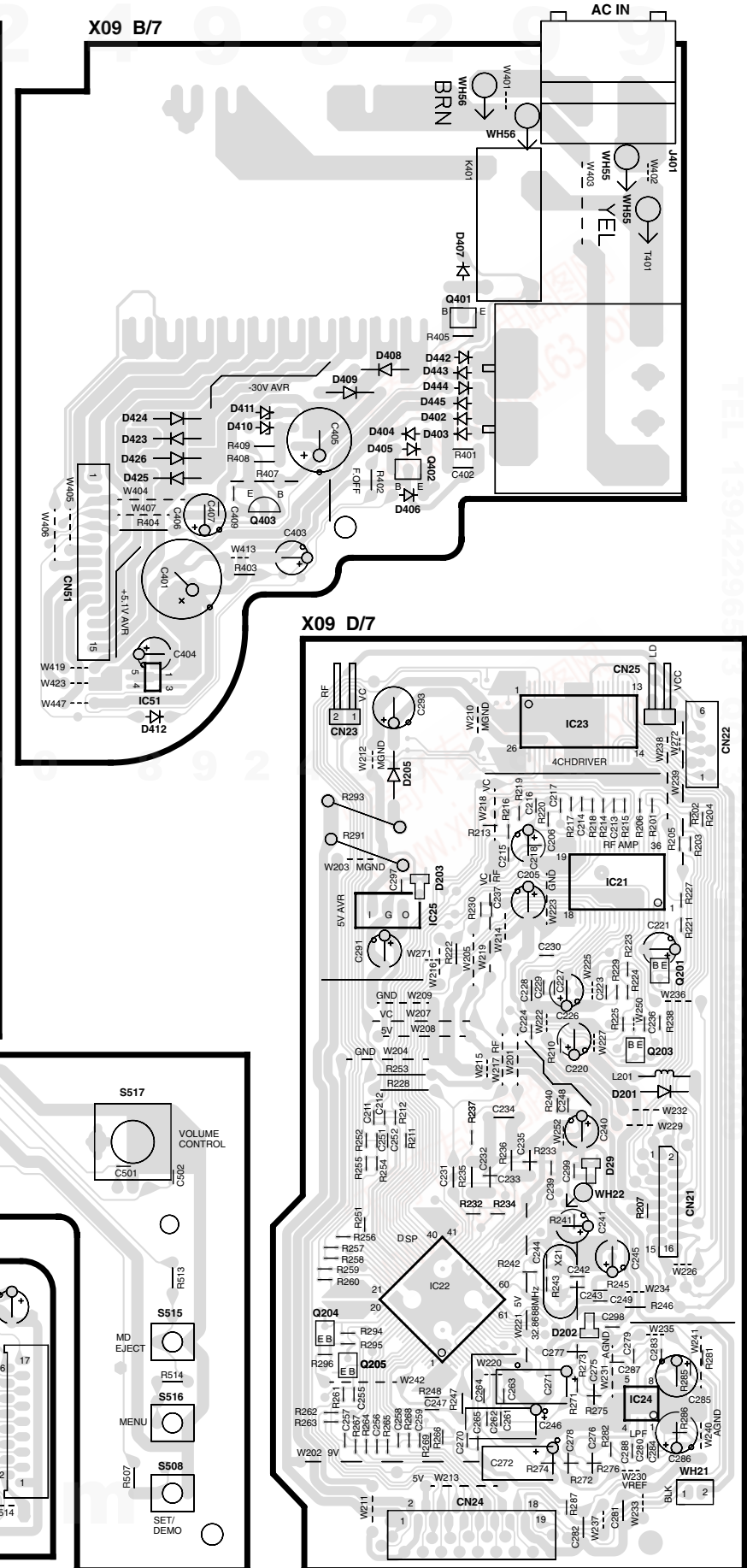
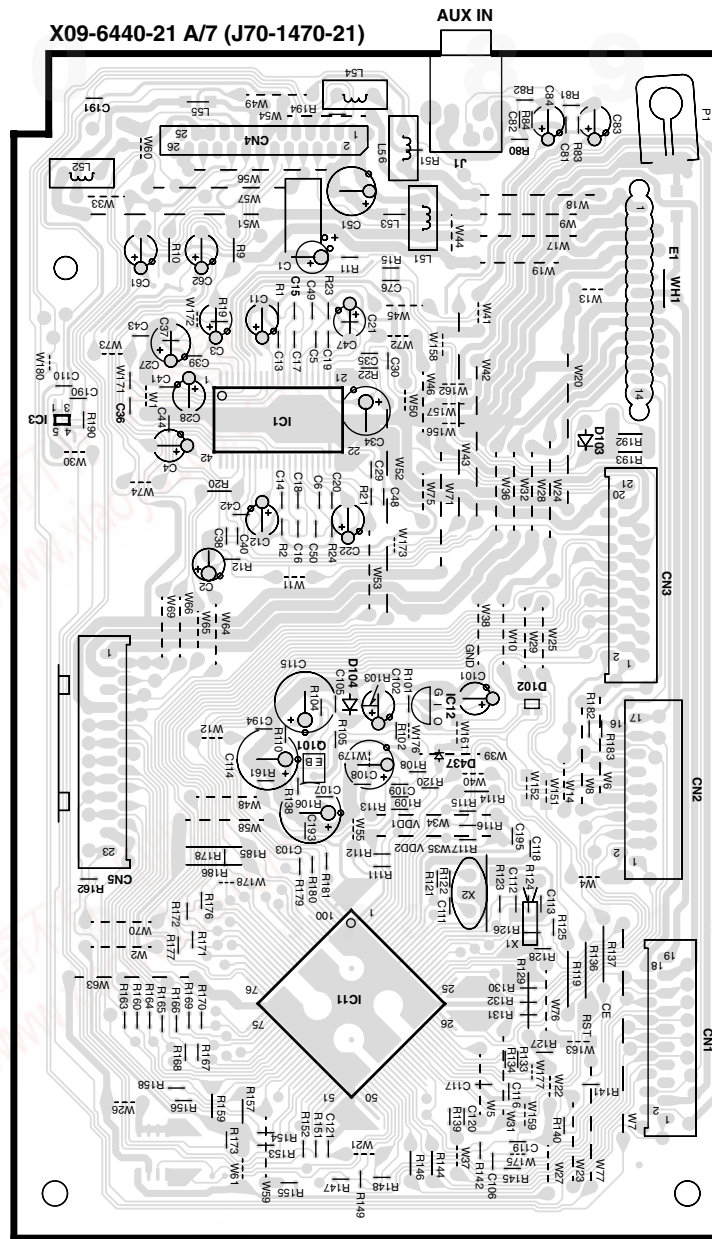
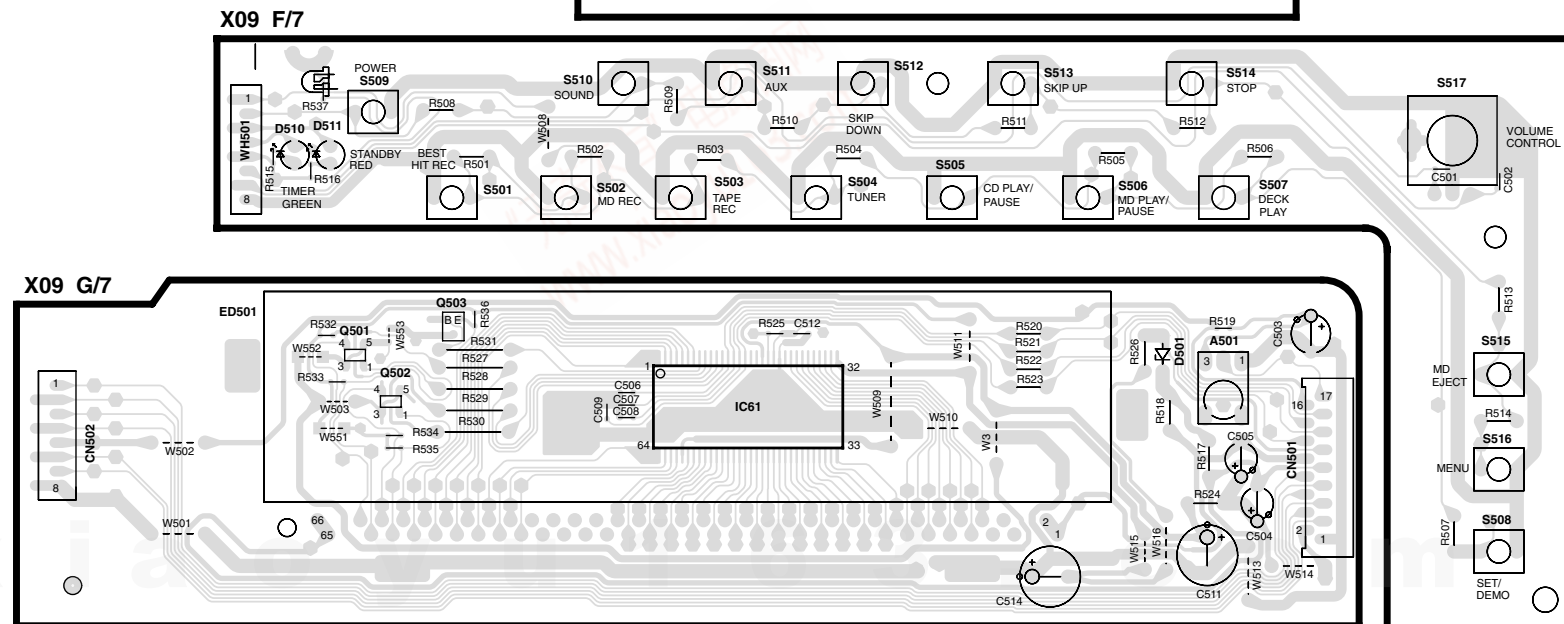
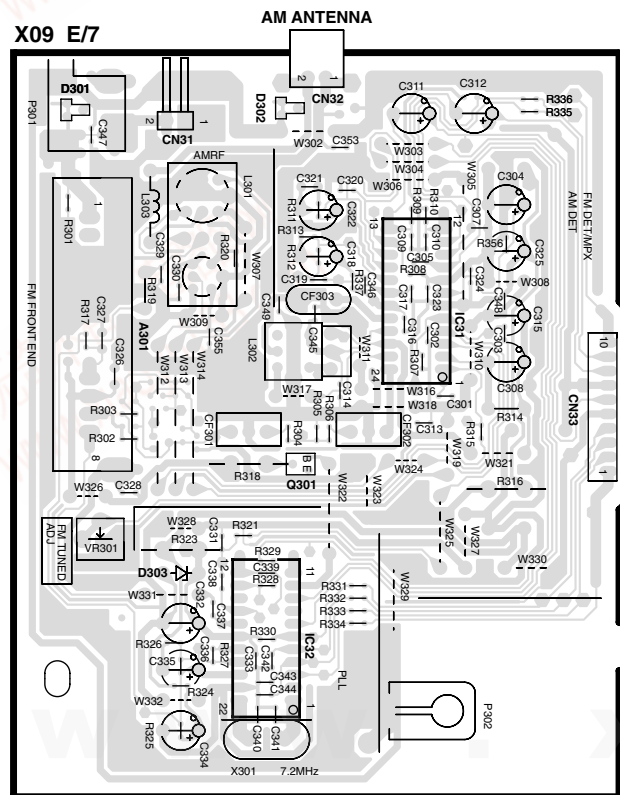
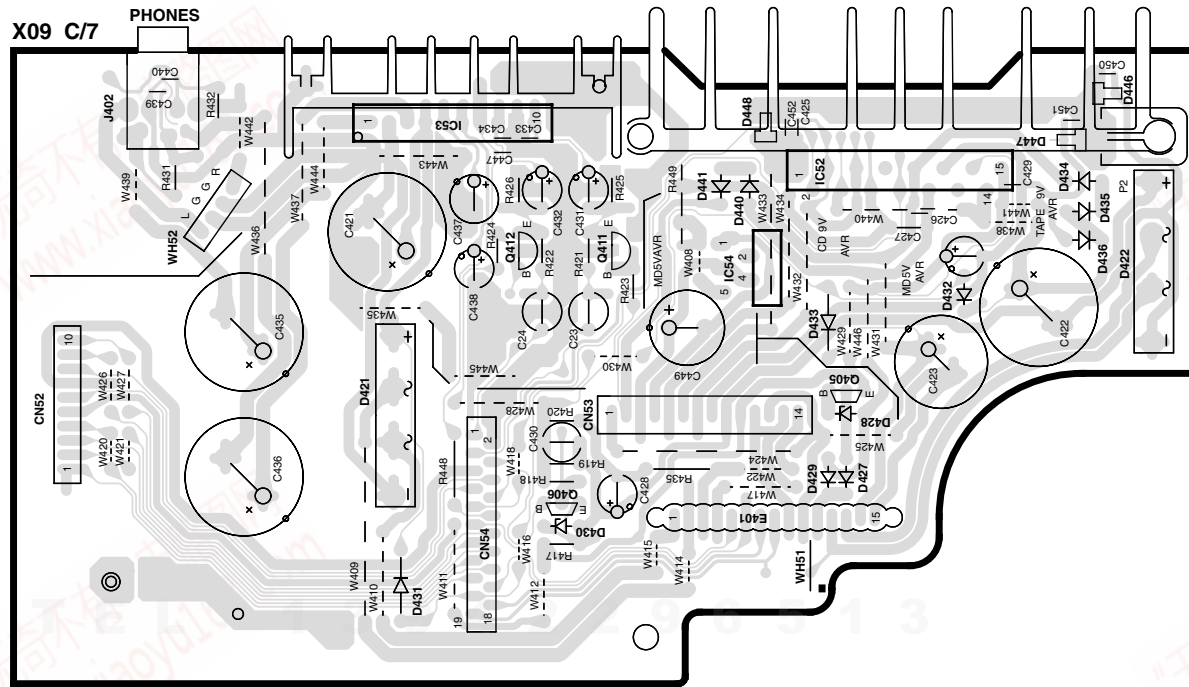


X33 B/2





### PC BOARD(Component side view)

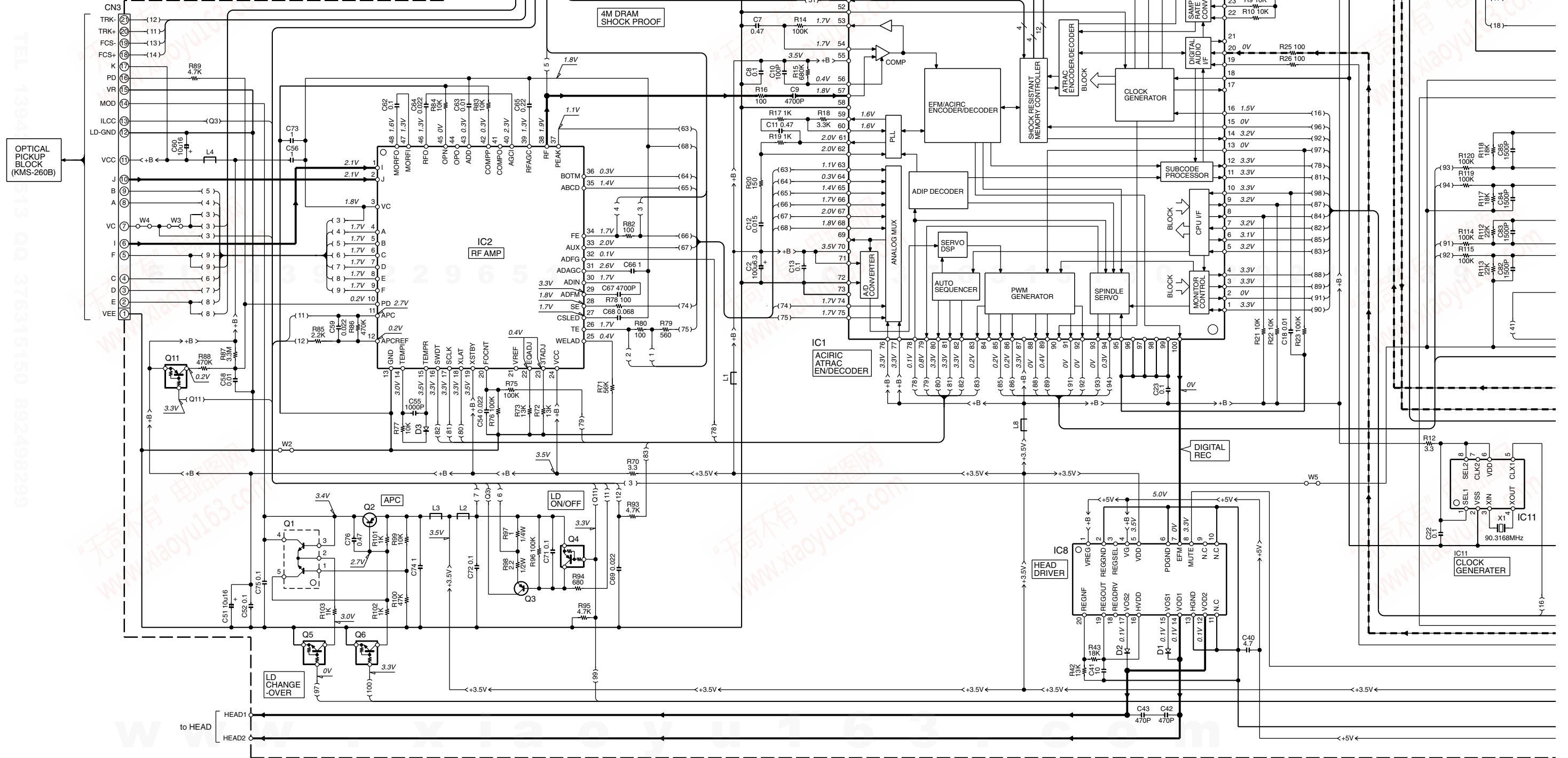


Refer to the schematic diagram for the value of resistors and capacitors.

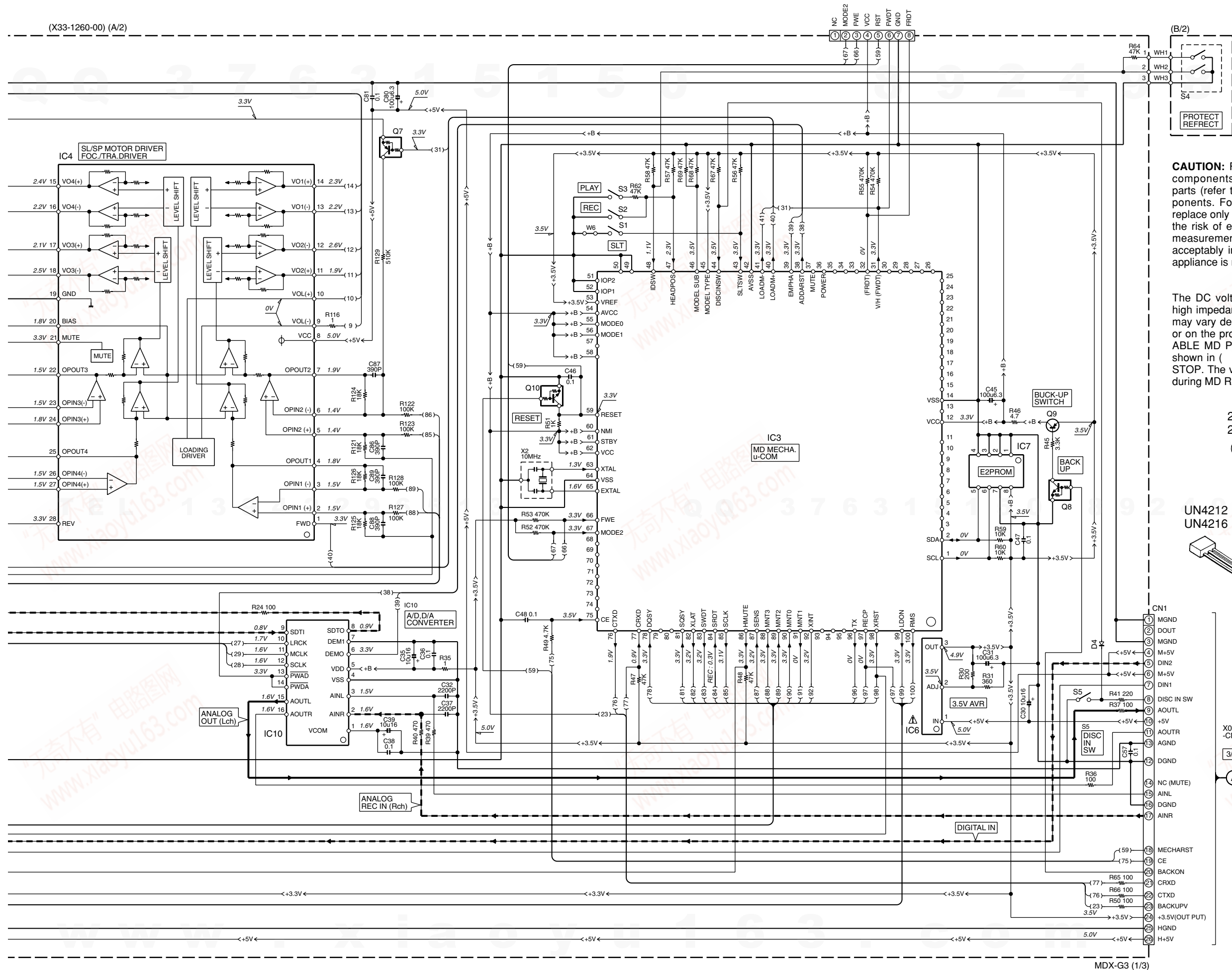
IC1 : CXD2662R  
IC2 : CXA2523AR \* or  
CXA2523AR  
IC3 : HD643227N14FA  
IC4 : BA5984FP  
IC5 : LC32S4400T-10  
IC6 : RC1117ST  
IC7 : S-24C02BFJ-TB or  
BR24C02F  
IC8 : BD7910FV  
IC10 : AK4550VT  
IC11 : C6006AZ  
Q1 : UMW1N  
Q2,9 : 2SA1576A(R,S)  
Q3 : 2SB798-DL  
Q4,11 : DTA144EUA  
Q5,6 : DTC114YUA  
Q7 : DTA124EUA  
Q8,10 : DTC124EUA  
D1,2 : FS1J6TP  
D3,4 : MA111  
D5,6 : S1B

--- DIGITAL LINE  
--- SIGNAL LINE  
--- GND LINE  
--- +B LINE  
--- -B LINE

(X33-1260-00) (A/2)







**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter. The measurement value may vary depending on the measuring instruments used or on the product. Refer to the voltage during RECORD-ABLE MD PLAY unless otherwise specified; The value shown in ( ) is the voltage measured at the moment of STOP. The voltage followed by (REC) refers to the value during MD RECORDING.

2SC2878  
2SC3940A

2SA1175  
2SC2785

UN4212  
UN4216

DTA124ESA  
DTC143TSA  
KRC103M

UN4112

DTA144EUA  
DTC114YUA  
UN5111  
2SA1576A

KTC3205

2SB798-DL

2SC4081

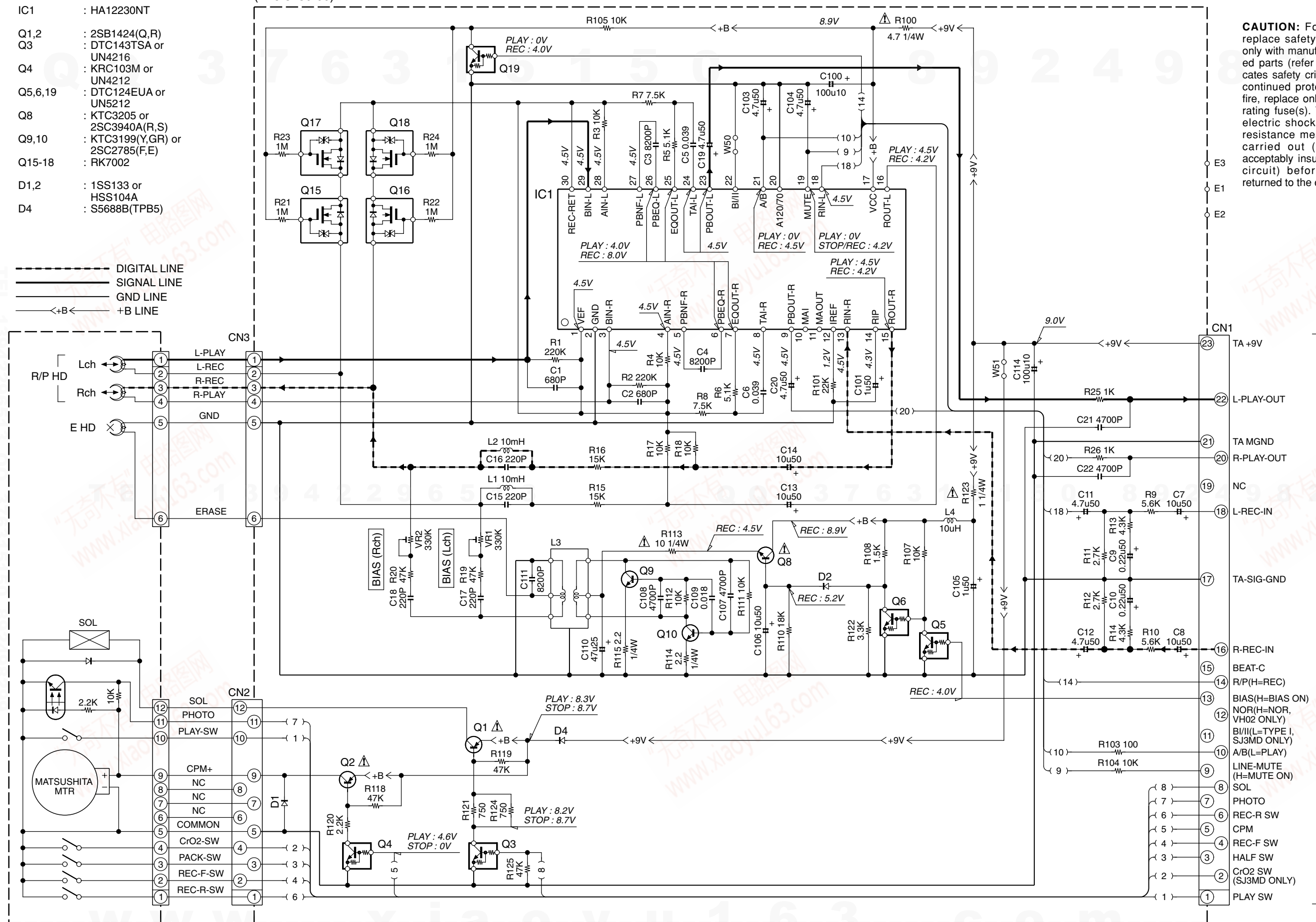
DTA114EUA  
DTA124EUA  
DTC124EUA

IC1 : HA12230NT

Q1,2 : 2SB1424(Q,R)  
Q3 : DTC143TSA or UN4216  
Q4 : KRC103M or UN4212  
Q5,6,19 : DTC124EUA or UN5212  
Q8 : KTC3205 or 2SC3940A(R,S)  
Q9,10 : KTC3199(Y,GR) or 2SC2785(F,E)  
Q15-18 : RK7002

D1,2 : 1SS133 or HSS104A  
D4 : S5688B(TPB5)

--- DIGITAL LINE  
--- SIGNAL LINE  
--- GND LINE  
--- <+B> +B LINE



**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

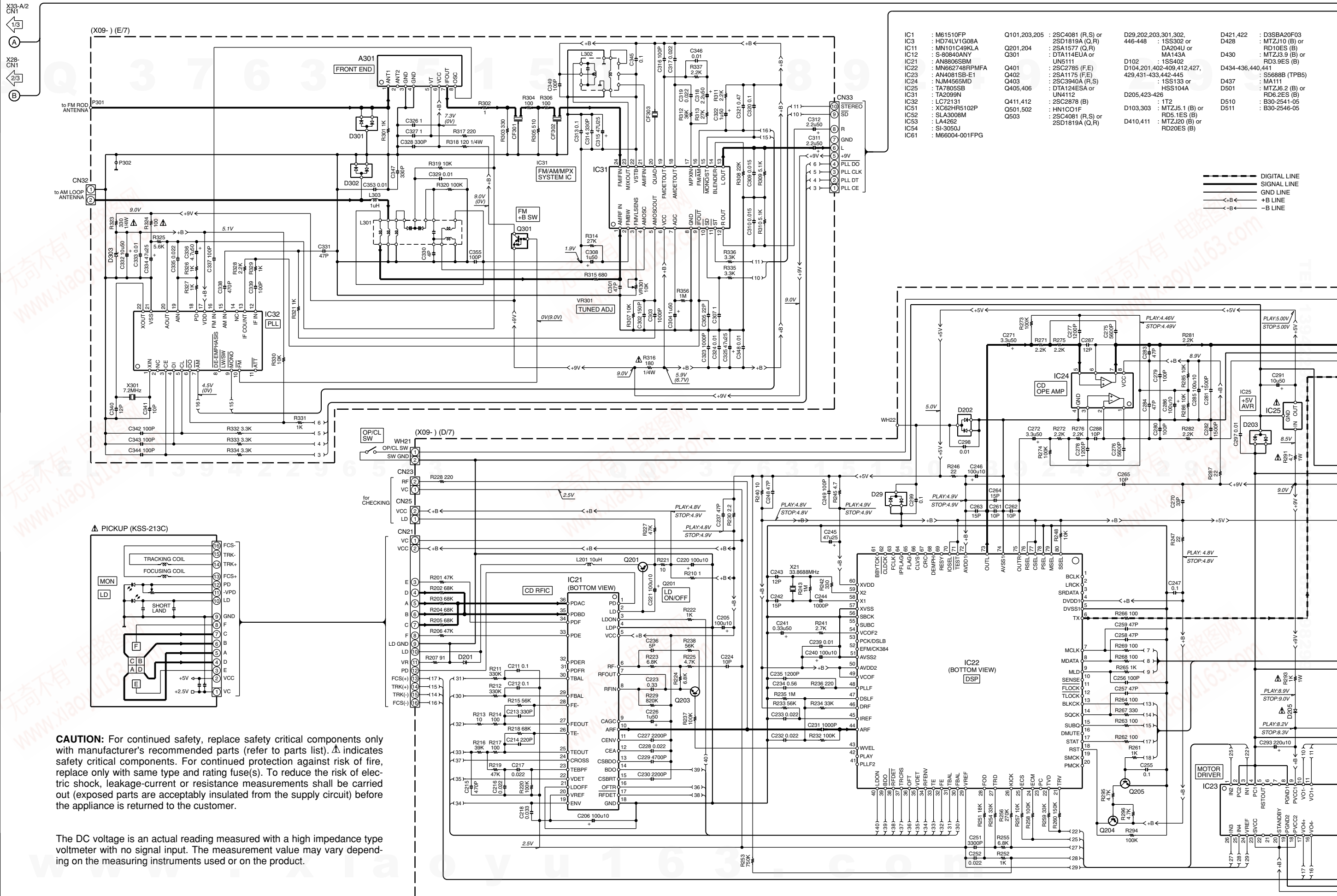
DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

MDX-G3 (2/3)

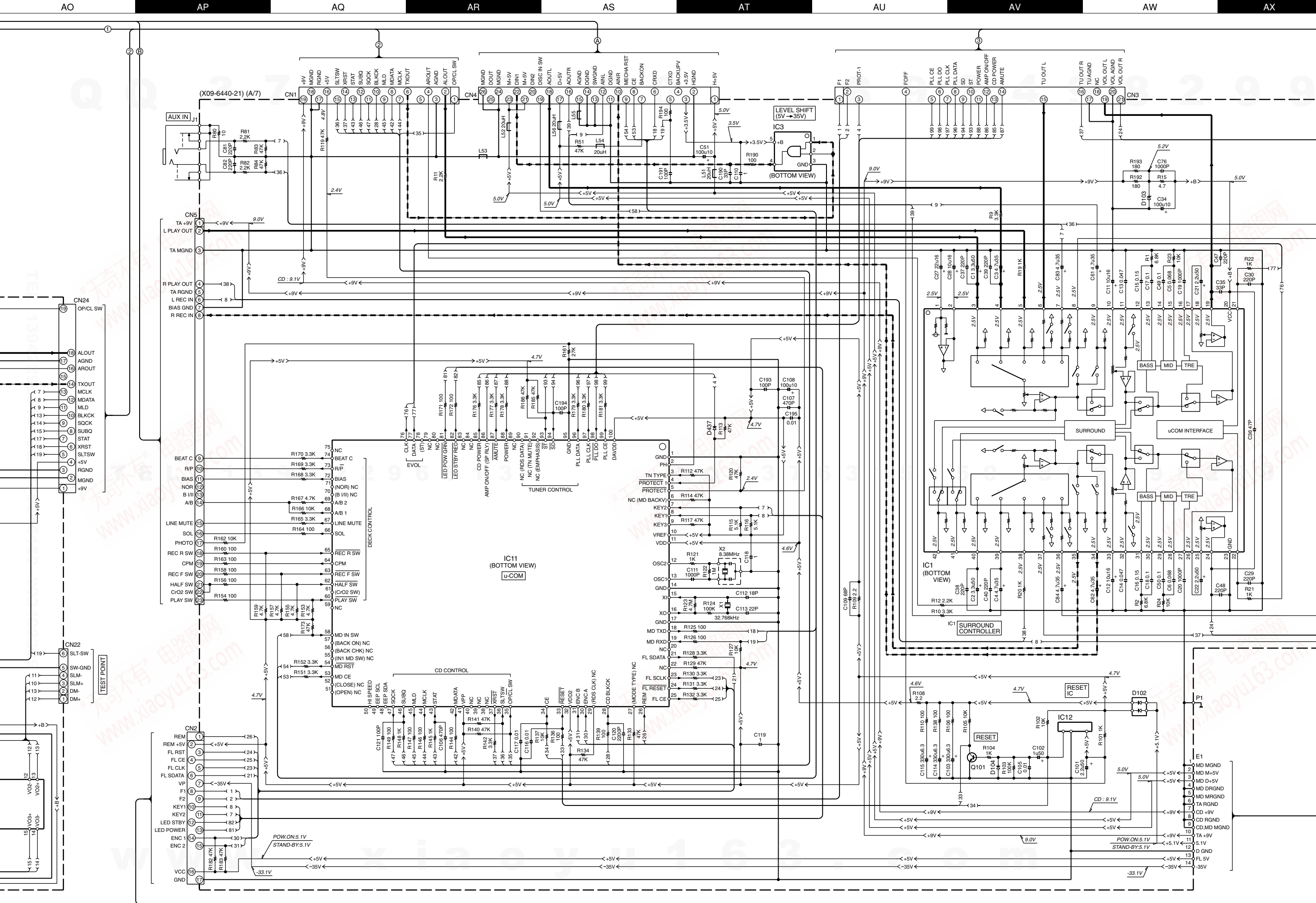
Y39-3740-21

**MDX-G3**  
**KENWOOD**



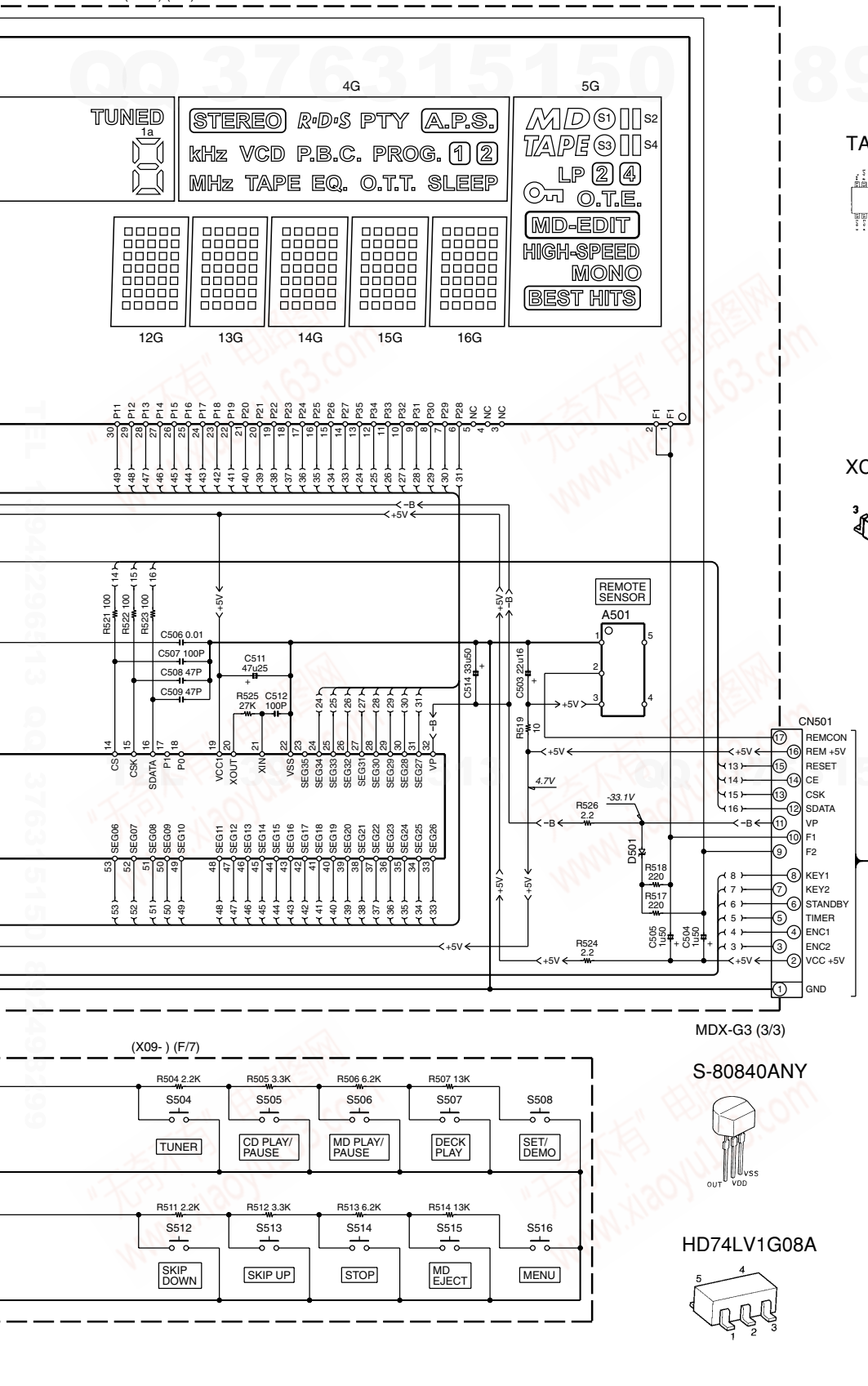




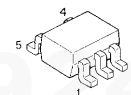




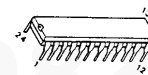
(X09-) (G/7)



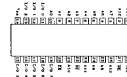
UMW1N



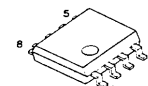
TA2099N



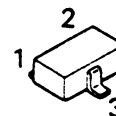
TA7805SB



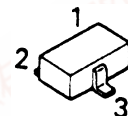
NJM4565MD



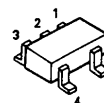
DA204U



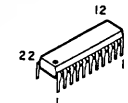
UN5212



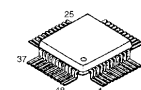
XC62HR5102P



LC72131



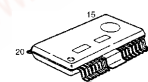
CXA2523AR



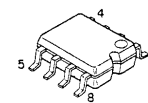
SI-3050J



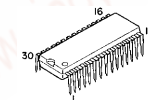
BA5984FP



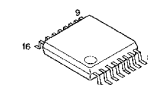
BR24C02F



HA12230NT

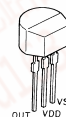


AK4550VT

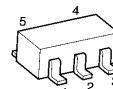


MDX-G3 (3/3)

S-80840ANY



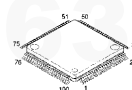
HD74LV1G08A



HN1C01F



CXD2662R



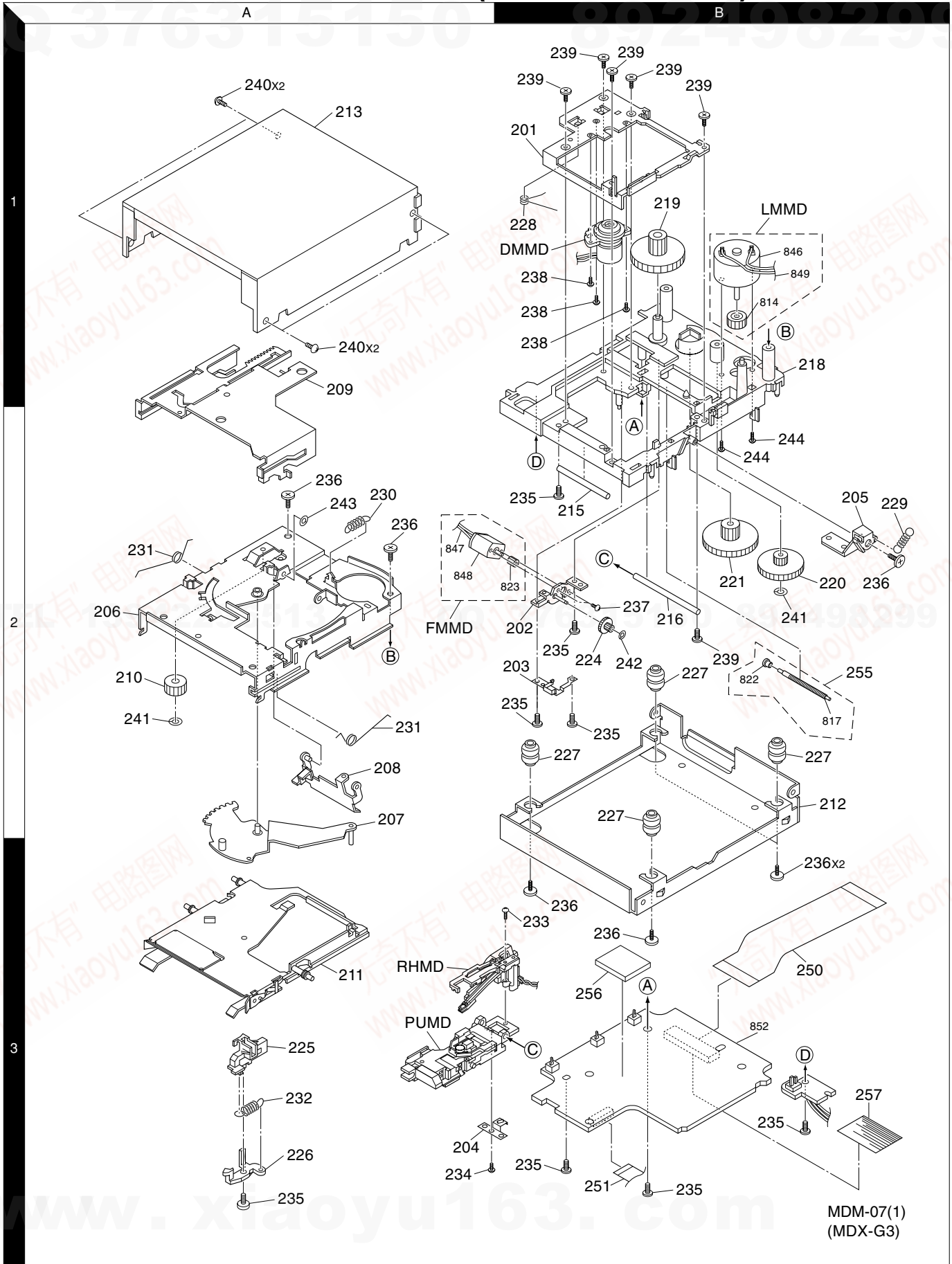
# MDX-G3

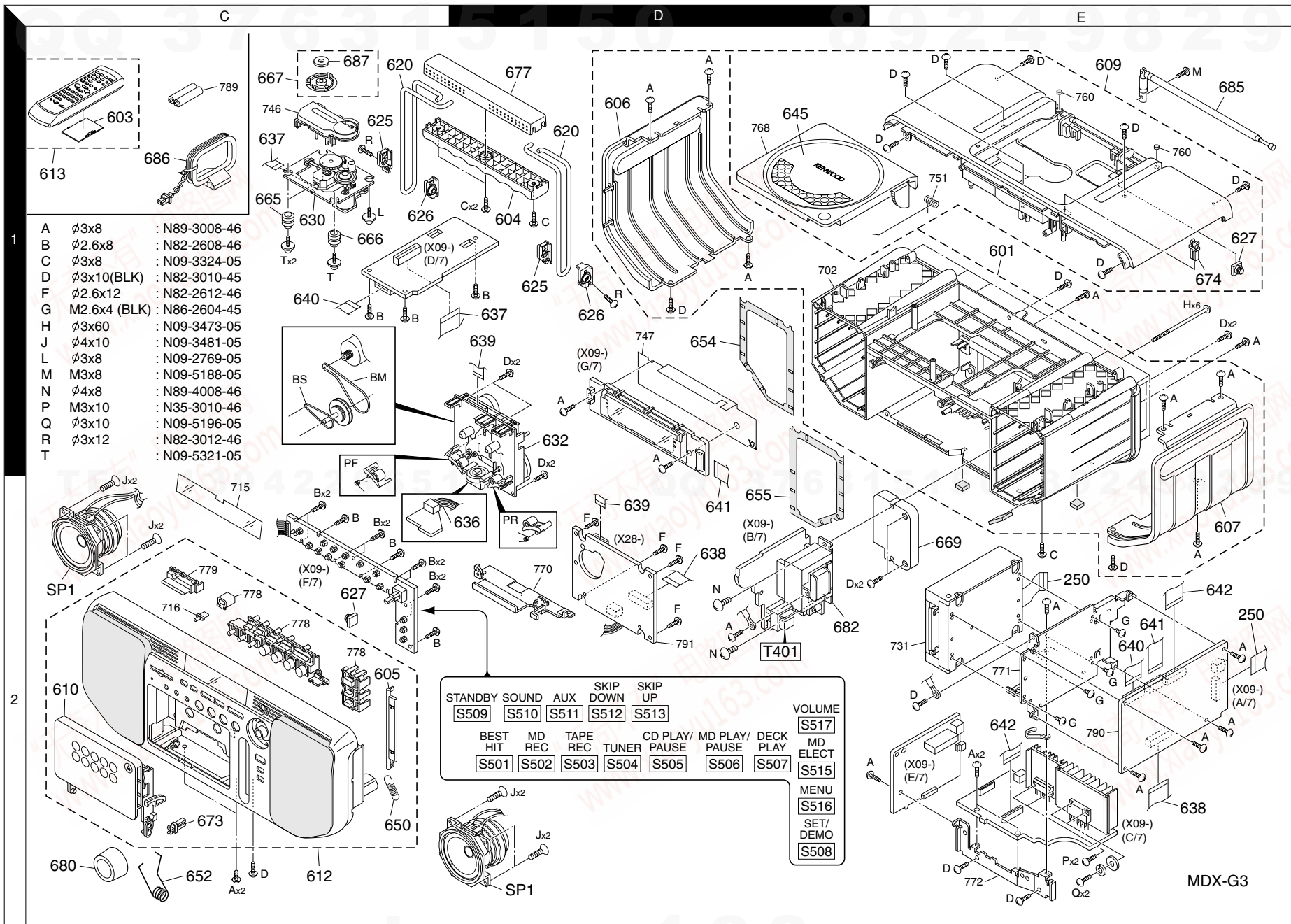
## KENWOOD

Y39-3740-21



## EXPLODED VIEW (MD MECHANISM)







\* New Parts

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①

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
<b>MDX-G3 L:BLUE, S:SILVER, R:RED</b>						
601	1E	*	A02-2996-01	PLASTIC CABINET ASSY	L SR L	
603	1C	*	A09-1151-08	BATTERY COVER		
604	1D	*	A21-3897-03	DRESSING PANEL		
604	1D	*	A21-3926-03	DRESSING PANEL		
605	2C	*	A29-1122-04	PANEL		
605	2C	*	A29-1128-04	PANEL	SR	
606	1D	*	A50-1380-02	SIDE PLATE		
607	2E	*	A50-1381-02	SIDE PLATE		
609	1E	*	A52-0920-21	TOP COVER ASSY	L S	
609	1E	*	A52-0922-21	TOP COVER ASSY		
609	1E	*	A52-0924-21	TOP COVER ASSY	R L SR L S	
610	2C	*	A53-2231-12	CASSETTE HOLDER		
610	2C	*	A53-2238-12	CASSETTE HOLDER		
612	2C	*	A60-1975-11	PANEL ASSY		
612	2C	*	A60-1982-11	PANEL ASSY		
612	2C	*	A60-1986-11	PANEL ASSY	R	
613	1C	*	A70-1449-05	REMOTE CONTROLLER ASSY		
-			B58-0966-13	CAUTION CARD (PL)		
-			B58-1643-04	CAUTION CARD (CASSETTE EJEC)		
-		*	B60-4854-00	INSTRUCTION MANUAL		
620	1C,1D	*	D10-3983-04	ARM		
625	1C,1D	*	D21-1999-03	SHAFT		
626	1C,1D	*	D21-2000-03	SHAFT		
627	2C,1E	*	D39-0353-05	DAMPER		
630	1C	*	D40-1640-05	MECHANISM ASSY		
632	1D	*	D40-1709-05	CASSETTE MECHANISM ASSY		
BM	1C		D16-0741-08	BELT MAIN		
BS	1C		D16-0705-08	BELT SUB		
PF	1C		D14-0380-08	PINCH ROLLER FWD		
PR	2D		D14-0381-08	PINCH ROLLER RVS		
636	2D	*	E35-2716-05	WIRING HARNESS,6P HEAD		
637	1C,1D	*	E35-2719-05	FLAT CABLE 16P		
638	2D,2E	*	E35-2720-05	FLAT CABLE 23P		
639	1D	*	E35-2721-05	FLAT CABLE DECK CONTROL		
640	1C,2E	*	E35-2722-05	FLAT CABLE 19P		
641	2D,2E	*	E35-2723-05	FLAT CABLE 17P		
642	2E	*	E35-2724-15	FLAT CABLE 21P		
645	1D	*	F07-1717-03	COVER	L S R	
645	1D	*	F07-1734-03	COVER		
645	2D	*	F07-1735-03	COVER		
650	2C	*	G01-4194-24	EXTENSION SPRING		
652	2C	*	G01-4243-04	TORSION COIL SPRING		
654	1D	*	G10-0560-04	NON-WOVEN FABRIC		
655	1E	*	G10-0561-04	NON-WOVEN FABRIC		
-		*	H12-3483-05	PACKING FIXTURE		
-		*	H12-3484-05	PACKING FIXTURE	L	
-		*	H21-0367-04	PROTECTION SHEET		
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H50-3938-04	ITEM CARTON CASE		
-		*	H50-4016-04	ITEM CARTON CASE		
-		*	H50-4017-04	ITEM CARTON CASE	S R	

L : Scandinavia  
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⚠ indicates safety critical components.

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②

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks		
665	1C		J02-1471-05	INSULATOR	L SR L SR			
666	1C	*	J02-1505-05	INSULATOR				
667	1C		J11-0852-03	CLAMPER ASSY				
669	2E	*	J19-6146-14	HOLDER				
673	2C		J52-0039-05	PUSH LATCH				
674	1E	*	J52-0044-05	PUSH LATCH				
-			J61-0307-05	WIRE BAND				
677	1D	*	K01-0127-03	HANDLE				
677	1D	*	K01-0143-03	HANDLE				
680	2C	*	K29-7870-04	KNOB ASSY				
680	2C	*	K29-7918-04	KNOB				
682	2E	*	L07-2911-05	POWER TRANSFORMER	L SR L SR			
-			L92-0512-05	FERRITE CORE				
685	1E		T90-0828-05	ROD ANTENNA				
686	1C	*	T90-0865-05	LOOP ANTENNA				
687	1C		T99-0544-15	MAGNET				
SP1	2C,2D	*	T07-0901-05	FULLRANGE				
AUDIO (X09-6440-21)								
D510			B30-2541-05	LED(GRN3(80))				
D511			B30-2546-05	LED(RED3(80))				
C1 ,2			CE04KW1H3R3M	ELECTRO				
C3 ,4			CE04RW1V4R7M	ELECTRO	4.7UF	35WV		
C5 ,6			CK73GB1C683K	CHIP C	0.068UF	K		
C11 ,12			CE04RW1C100M	ELECTRO	10UF	16WV		
C13 ,14			CK73GB1E473K	CHIP C	0.047UF	K		
C15 ,16			CK73GB1A154K	CHIP C	0.15UF	K		
C17 ,18			CK73GB1C104K	CHIP C	0.10UF	K		
C19 ,20			CK73GB1H102K	CHIP C	1000PF	K		
C21 ,22			CE04RW1H2R2M	ELECTRO	2.2UF	50WV		
C23 ,24			CE04HW1HR22M	NP-ELEC	0.22UF	50WV		
C27			CE04RW1C220M	ELECTRO	22UF	16WV		
C28			CE04RW1C100M	ELECTRO	10UF	16WV		
C29 ,30			CC73GCH1H221J	CHIP C	220PF	J		
C34			CE04KW1A101M	ELECTRO	100UF	10WV		
C35			CC73GCH1H330J	CHIP C	33PF	J		
C36			CC73GCH1H470J	CHIP C	47PF	J		
C37 ,40			CC73GCH1H221J	CHIP C	220PF	J		
C47 ,48			CC73GCH1H221J	CHIP C	220PF	J		
C49 ,50			CK73GB1C104K	CHIP C	0.10UF	K		
C51			CE04RW1A101M	ELECTRO	100UF	10WV		
C61 ,62			CE04RW1V4R7M	ELECTRO	4.7UF	35WV		
C76			CK73GB1H102K	CHIP C	1000PF	K		
C81 ,82			CC73GCH1H221J	CHIP C	220PF	J		
C83 ,84			CE04RW1V4R7M	ELECTRO	4.7UF	35WV		
C101			CE04RW1H2R2M	ELECTRO	2.2UF	50WV		
C102			CE04RW1H010M	ELECTRO	1.0UF	50WV		
C103			CE04RW0J331M	ELECTRO	330UF	6.3WV		
C105			CK73GB1H103K	CHIP C	0.010UF	K		
C106,107			CC73GCH1H471J	CHIP C	470PF	J		
C108			CE04RW1A101M	ELECTRO	100UF	10WV		
C109			CC73GCH1H680J	CHIP C	68PF	J		
C110			CK73GB0J105K	CHIP C	1.0UF	K		
C111			CK73GB1H102K	CHIP C	1000PF	K		

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3

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C112			CC73GCH1H180J	CHIP C	18PF	J
C113			CC73GCH1H220J	CHIP C	22PF	J
C114, 115			CE04RW0J331M	ELECTRO	330UF	6.3WV
C116, 117			CK73GB1H103K	CHIP C	0.010UF	K
C118, 119			CK73GB0J105K	CHIP C	1.0UF	K
C120			CK73GB1H222K	CHIP C	2200PF	K
C121			CC73GCH1H101J	CHIP C	100PF	J
C188, 189			CC73GCH1H101J	CHIP C	100PF	J
C190			CC73GCH1H330J	CHIP C	33PF	J
C191			CC73GCH1H101J	CHIP C	100PF	J
C193, 194			CC73GCH1H101J	CHIP C	100PF	J
C195			CK73GB1H103K	CHIP C	0.010UF	K
C205, 206			CE04KW1A101M	ELECTRO	100UF	10WV
C211, 212			CK73GB1C104K	CHIP C	0.10UF	K
C213			CC73GCH1H331J	CHIP C	330PF	J
C214			CC73GCH1H221J	CHIP C	220PF	J
C215			CC73GCH1H471J	CHIP C	470PF	J
C216, 217			CK73GB1E223K	CHIP C	0.022UF	K
C218			CK73GB1E333K	CHIP C	0.033UF	K
C220, 221			CE04KW1A101M	ELECTRO	100UF	10WV
C223			CK73GB1A334K	CHIP C	0.33UF	K
C224			CC73GCH1H100D	CHIP C	10PF	D
C226			CE04KW1H010M	ELECTRO	1.0UF	50WV
C227			CK73GB1H222K	CHIP C	2200PF	K
C228			CQ93FMG1H223J	MYLAR	0.022UF	J
C229			CK73GB1H472K	CHIP C	4700PF	K
C230			CK73GB1H222K	CHIP C	2200PF	K
C231			CQ93FMG1H102J	MYLAR	1000PF	J
C232			CQ93FMG1H223J	MYLAR	0.022UF	J
C233			CK73GB1E223K	CHIP C	0.022UF	K
C234			CF92FV1H564J	MF-C	0.56UF	J
C235			CQ93FMG1H122J	MYLAR	1200PF	J
C236			CC73GCH1H050C	CHIP C	5.0PF	C
C237			CC73GCH1H470J	CHIP C	47PF	J
C239			CK73GB1H103K	CHIP C	0.010UF	K
C240			CE04KW1A101M	ELECTRO	100UF	10WV
C241			CE04KW1HR33M	ELECTRO	0.33UF	50WV
C242			CC73GCH1H150J	CHIP C	15PF	J
C243			CC73GCH1H120J	CHIP C	12PF	J
C244			CK73GB1H102K	CHIP C	1000PF	K
C245			CE04KW1E470M	ELECTRO	47UF	25WV
C246			CE04KW1A101M	ELECTRO	100UF	10WV
C247			CK73GB1C104K	CHIP C	0.10UF	K
C248			CC73GCH1H470J	CHIP C	47PF	J
C249			CC73GCH1H101J	CHIP C	100PF	J
C251			CK73GB1H332K	CHIP C	3300PF	K
C252			CK73GB1E223K	CHIP C	0.022UF	K
C255			CK73GB1C104K	CHIP C	0.10UF	K
C256			CC73GCH1H101J	CHIP C	100PF	J
C257-259			CC73GCH1H470J	CHIP C	47PF	J
C261, 262			CC73GCH1H100D	CHIP C	10PF	D
C263, 264			CC73GCH1H150J	CHIP C	15PF	J
C265			CC73GCH1H100D	CHIP C	10PF	D
C270			CC73GCH1H330J	CHIP C	33PF	J
C271, 272			CE04KW1H3R3M	ELECTRO	3.3UF	50WV

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Y: PX(Far East,Hawaii) T: England E: Europe G: Germany V: China(Shanghai)  
Y: AAFES(Europe) X: Australia Q: Russia H: Korea M: Other Areas  $\Delta$  indicates safety critical components.

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4

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C275, 276			CQ93FMG1H562J	MYLAR	5600PF	J
C277, 278			CQ93FMG1H122J	MYLAR	1200PF	J
C279, 280			CC73GCH1H101J	CHIP C	100PF	J
C281, 282			CQ93FMG1H152J	MYLAR	1500PF	J
C283, 284			CC73GCH1H470J	CHIP C	47PF	J
C285, 286			CE04KW1A101M	ELECTRO	100UF	10WV
C287			CC73GCH1H120J	CHIP C	12PF	J
C288			CC73GCH1H100D	CHIP C	10PF	D
C291			CE04KW1H100M	ELECTRO	10UF	50WV
C293			CE04KW1A221M	ELECTRO	220UF	10WV
C297, 298			CK73GB1H103K	CHIP C	0.010UF	K
C299			CK73GB1C104K	CHIP C	0.10UF	K
C301			CC73GCH1H470J	CHIP C	47PF	J
C302			CC73GCH1H151J	CHIP C	150PF	J
C303			CK73GB1H102K	CHIP C	1000PF	K
C304			CE04KW1H010M	ELECTRO	1.0UF	50WV
C305			CC73GCH1H220J	CHIP C	22PF	J
C307			CK73FB1C105K	CHIP C	1.0UF	K
C308			CE04KW1H010M	ELECTRO	1.0UF	50WV
C309, 310			CK73GB1H153K	CHIP C	0.015UF	K
C311, 312			CE04KW1H2R2M	ELECTRO	2.2UF	50WV
C313			CK73GB1C104K	CHIP C	0.10UF	K
C314			CC73GCH1H331J	CHIP C	330PF	J
C315			CE04KW1E470M	ELECTRO	47UF	25WV
C316			CC73GCH1H101J	CHIP C	100PF	J
C317			CK73GB1E223K	CHIP C	0.022UF	K
C318			CE04KW1H2R2M	ELECTRO	2.2UF	50WV
C319			CK73GB1E223K	CHIP C	0.022UF	K
C320			CK73GB1C104K	CHIP C	0.10UF	K
C321			CK73FB1C474K	CHIP C	0.47UF	K
C322			CE04KW1H010M	ELECTRO	1.0UF	50WV
C323			CK73GB1H102K	CHIP C	1000PF	K
C324			CK73GB1H103K	CHIP C	0.010UF	K
C325			CE04KW1E470M	ELECTRO	47UF	25WV
C326, 327			CK73FB1C105K	CHIP C	1.0UF	K
C328			CC73GCH1H331J	CHIP C	330PF	J
C329			CK73GB1H103K	CHIP C	0.010UF	K
C330			CC73GCH1H040C	CHIP C	4.0PF	C
C331			CC73GCH1H470J	CHIP C	47PF	J
C332			CE04KW1H100M	ELECTRO	10UF	50WV
C333			CK73GB1H103K	CHIP C	0.010UF	K
C334			CE04KW1E470M	ELECTRO	47UF	25WV
C335			CK73GB1E223K	CHIP C	0.022UF	K
C336			CE04KW1H4R7M	ELECTRO	4.7UF	50WV
C337			CC73GCH1H101J	CHIP C	100PF	J
C338			CC73GCH1H471J	CHIP C	470PF	J
C339			CC73GCH1H101J	CHIP C	100PF	J
C340			CC73GCH1H120J	CHIP C	12PF	J
C341			CC73GCH1H100D	CHIP C	10PF	D
C342-344			CC73GCH1H101J	CHIP C	100PF	J
C345			CK73GB1C104K	CHIP C	0.10UF	K
C346			CK73GB1H103K	CHIP C	0.010UF	K
C347			CC73GCH1H331J	CHIP C	330PF	J
C348			CK73GB1H103K	CHIP C	0.010UF	K
C349			CC73GCH1H101J	CHIP C	100PF	J

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PARTS LIST

MDX-G3

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C353			CK73GB1H103K	CHIP C 0.010UF K		
C355			CC73GCH1H101J	CHIP C 100PF J		
C401			CE04KW1A332M	ELECTRO 3300UF 10WV		
C402			CQ93FMG1H563J	MYLAR 0.056UF J		
C403			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C404			CE04KW1A101M	ELECTRO 100UF 10WV		
C405			CE04KW1J101M	ELECTRO 100UF 63WV		
C406			CE04KW1J330M	ELECTRO 33UF 63WV		
C407			CK73GB1H103K	CHIP C 0.010UF K		
C409			CK73GB1H222K	CHIP C 2200PF K		
C421		*	C90-3930-05	ELECTRO 2200UF 25WV		
C422			CE04KW1E332M	ELECTRO 3300UF 25WV		
C423			CE04KW1C222M	ELECTRO 2200UF 16WV		
C425			CK73GB1H102K	CHIP C 1000PF K		
C426			CC73GCH1H471J	CHIP C 470PF J		
C427			CK45FB1H102K	CERAMIC 1000PF K		
C428			CE04KW1H220M	ELECTRO 22UF 50WV		
C429			CK73GB1H102K	CHIP C 1000PF K		
C430			CE04HW1E220M	NP-ELEC 22UF 25WV		
C431,432			CE04KW2A010M	ELECTRO 1.0UF 100WV		
C433,434		*	CC73GCH1H151J	CHIP C 150PF J		
C435,436			C90-3930-05	ELECTRO 2200UF 25WV		
C437			CE04KW1E101M	ELECTRO 100UF 25WV		
C438			CE04KW1E470M	ELECTRO 47UF 25WV		
C439,440			CC73GCH1H151J	CHIP C 150PF J		
C447			CC73GCH1H101J	CHIP C 100PF J		
C449			CE04DW0J102M	ELECTRO 1000UF 6.3WV		
C450-452			CK73GB1H103K	CHIP C 0.010UF K		
C501,502			CC73GCH1H221J	CHIP C 220PF J		
C503			CE04RW1C220M	ELECTRO 22UF 16WV		
C504,505			CE04RW1H010M	ELECTRO 1.0UF 50WV		
C506			CK73GB1H103K	CHIP C 0.010UF K		
C507			CC73GCH1H101J	CHIP C 100PF J		
C508,509			CC73GCH1H470J	CHIP C 47PF J		
C511			CE04RW1E470M	ELECTRO 47UF 25WV		
C512			CC73GCH1H101J	CHIP C 100PF J		
C514			CE04RW1H330M	ELECTRO 33UF 50WV		
CN1		*	E40-8503-05	FLAT CABLE CONNECTOR		
CN2			E40-4942-05	FLAT CABLE CONNECTOR		
CN3			E40-8504-05	FLAT CABLE CONNECTOR		
CN4			E40-8461-05	FLAT CABLE CONNECTOR		
CN5		*	E40-8505-05	FLAT CABLE CONNECTOR		
CN21			E40-8328-05	FLAT CABLE CONNECTOR		
CN22			E40-3250-05	PIN ASSY		
CN23			E40-4974-05	PIN ASSY		
CN24			E40-4944-05	FLAT CABLE CONNECTOR		
CN25			E40-4974-05	PIN ASSY		
CN32		*	E40-8717-05	PIN ASSY		
CN33			E40-9826-05	SOCKET FOR PIN ASSY		
CN51			E40-3259-05	PIN ASSY		
CN52			E40-9843-05	PIN ASSY		
CN53			E40-3258-05	PIN ASSY		
CN54			E40-8484-05	FLAT CABLE CONNECTOR		
CN501			E40-8502-05	FLAT CABLE CONNECTOR		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
CN502			E40-3252-05	PIN ASSY		
J1		*	E11-0399-05	MINIATURE PHONE JACK(7P)		
J401			E03-0374-05	AC INLET		
J402			E11-0399-05	MINIATURE PHONE JACK(7P)		
CF301,302			L72-0596-05	CERAMIC FILTER		
CF303			L72-0623-05	CERAMIC FILTER		
L51 ,52			L92-0501-05	FERRITE CORE		
L53			L92-0089-05	CHIP FERRITE		
L54			L92-0501-05	FERRITE CORE		
L55			L92-0089-05	CHIP FERRITE		
L56			L92-0501-05	FERRITE CORE		
L57			L92-0080-05	FERRITE CORE		
L201			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
L301			L39-1384-05	COMBINATION COIL		
L302		*	L30-0974-05	AM IFT		
L303			L40-1091-82	SMALL FIXED INDUCTOR(1.0UH)		
T401		*	L07-2980-05	POWER TRANSFORMER		
X1		*	L77-2173-05	CRYSTAL RESONATOR(32.768KHZ)		
X2		*	L78-0725-05	RESONATOR (8.38MHZ)		
X21			L77-2233-05	CRYSTAL RESONATOR(33.8688MHZ)		
X301			L77-2232-05	CRYSTAL RESONATOR		
R1 ,2			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R11 ,12			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R15			RK73GB1J47R7J	CHIP R 4.7 J 1/16W		
R19			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R21 ,22			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R23 ,24			RK73GB1J103J	CHIP R 10K J 1/16W		
R51			RK73GB1J473J	CHIP R 47K J 1/16W		
R80			RK73GB1J100J	CHIP R 10 J 1/16W		
R81 ,82			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R83 ,84			RK73GB1J473J	CHIP R 47K J 1/16W		
R101			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R102			RK73GB1J103J	CHIP R 10K J 1/16W		
R103			RK73GB1J104J	CHIP R 100K J 1/16W		
R104			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R105			RK73GB1J103J	CHIP R 10K J 1/16W		
R106			RK73GB1J101J	CHIP R 100 J 1/16W		
R108,109			RK73GB1J2R2J	CHIP R 2.2 J 1/16W		
R110			RK73GB1J101J	CHIP R 100 J 1/16W		
R112,113			RK73GB1J473J	CHIP R 47K J 1/16W		
R115,116			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R117			RK73GB1J473J	CHIP R 47K J 1/16W		
R120			RK73GB1J473J	CHIP R 47K J 1/16W		
R121			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R122			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R123			RK73GB1J475J	CHIP R 4.7M J 1/16W		
R124			RK73GB1J104J	CHIP R 100K J 1/16W		
R125,126			RK73GB1J101J	CHIP R 100 J 1/16W		
R127			RK73GB1J103J	CHIP R 10K J 1/16W		
R128			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R130-132			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R133,134			RK73GB1J473J	CHIP R 47K J 1/16W		
R138,139			RK73GB1J101J	CHIP R 100 J 1/16W		
R140,141			RK73GB1J473J	CHIP R 47K J 1/16W		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R142			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R145			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R147			RK73GB1J101J	CHIP R 100 J 1/16W		
R148			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R149			RK73GB1J101J	CHIP R 100 J 1/16W		
R151,152			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R153			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R154			RK73GB1J101J	CHIP R 100 J 1/16W		
R155			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R156			RK73GB1J101J	CHIP R 100 J 1/16W		
R158			RK73GB1J101J	CHIP R 100 J 1/16W		
R160			RK73GB1J101J	CHIP R 100 J 1/16W		
R161			RK73GB1J273J	CHIP R 27K J 1/16W		
R162			RK73GB1J103J	CHIP R 10K J 1/16W		
R163,164			RK73GB1J101J	CHIP R 100 J 1/16W		
R165			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R166			RK73GB1J103J	CHIP R 10K J 1/16W		
R167			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R168-170			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R171,172			RK73GB1J101J	CHIP R 100 J 1/16W		
R173			RK73GB1J473J	CHIP R 47K J 1/16W		
R176-181			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R182,183			RK73GB1J473J	CHIP R 47K J 1/16W		
R194			RK73GB1J101J	CHIP R 100 J 1/16W		
R201			RK73GB1J473J	CHIP R 47K J 1/16W		
R202-205			RK73GB1J683J	CHIP R 68K J 1/16W		
R206			RK73GB1J473J	CHIP R 47K J 1/16W		
R207			RK73GB1J910J	CHIP R 91 J 1/16W		
R210			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R211,212			RK73GB1J334J	CHIP R 330K J 1/16W		
R213			RK73GB1J100J	CHIP R 10 J 1/16W		
R214			RK73GB1J101J	CHIP R 100 J 1/16W		
R215			RK73GB1J563J	CHIP R 56K J 1/16W		
R216			RK73GB1J393J	CHIP R 39K J 1/16W		
R217			RK73GB1J101J	CHIP R 100 J 1/16W		
R218			RK73GB1J683J	CHIP R 68K J 1/16W		
R219			RK73GB1J473J	CHIP R 47K J 1/16W		
R220			RK73GB1J104J	CHIP R 100K J 1/16W		
R221			RK73GB1J100J	CHIP R 10 J 1/16W		
R223,224			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R225			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R227			RK73GB1J473J	CHIP R 47K J 1/16W		
R229			RK73GB1J824J	CHIP R 820K J 1/16W		
R230			RK73GB1J2R2J	CHIP R 2.2 J 1/16W		
R232			RK73GB1J104J	CHIP R 100K J 1/16W		
R233			RK73GB1J563J	CHIP R 56K J 1/16W		
R234			RK73GB1J333J	CHIP R 33K J 1/16W		
R237			RK73GB1J104J	CHIP R 100K J 1/16W		
R238			RK73GB1J563J	CHIP R 56K J 1/16W		
R240			RK73GB1J100J	CHIP R 10 J 1/16W		
R241			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R242			RK73GB1J331J	CHIP R 330 J 1/16W		
R243			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R245			RK73GB1J4R7J	CHIP R 4.7 J 1/16W		
R248			RK73GB1J103J	CHIP R 10K J 1/16W		

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R251			RK73GB1J183J	CHIP R 18K J 1/16W		
R252			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R254			RK73GB1J333J	CHIP R 33K J 1/16W		
R255			RK73GB1J682J	CHIP R 6.8K J 1/16W		
R256			RK73GB1J274J	CHIP R 270K J 1/16W		
R257			RK73GB1J103J	CHIP R 10K J 1/16W		
R258			RK73GB1J104J	CHIP R 100K J 1/16W		
R259			RK73GB1J333J	CHIP R 33K J 1/16W		
R260			RK73GB1J154J	CHIP R 150K J 1/16W		
R261			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R262-264			RK73GB1J101J	CHIP R 100 J 1/16W		
R265			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R266			RK73GB1J101J	CHIP R 100 J 1/16W		
R267			RK73GB1J331J	CHIP R 330 J 1/16W		
R268,269			RK73GB1J101J	CHIP R 100 J 1/16W		
R271,272			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R273,274			RK73GB1J104J	CHIP R 100K J 1/16W		
R275,276			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R281,282			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R285,286			RK73GB1J103J	CHIP R 10K J 1/16W		
R287			RK73GB1J220J	CHIP R 22 J 1/16W		
R291			RS14KB3A4R7J	FL-PROOF RS 4.7 J 1W		
R293			RS14KB3A1R0J	FL-PROOF RS 1 J 1W		
R294			RK73GB1J104J	CHIP R 100K J 1/16W		
R295,296			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R301			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R302			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R303			RK73GB1J331J	CHIP R 330 J 1/16W		
R304			RK73GB1J101J	CHIP R 100 J 1/16W		
R305			RK73GB1J511J	CHIP R 510 J 1/16W		
R306			RK73GB1J101J	CHIP R 100 J 1/16W		
R307			RK73GB1J103J	CHIP R 10K J 1/16W		
R308			RK73GB1J223J	CHIP R 22K J 1/16W		
R309,310			RK73GB1J512J	CHIP R 5.1K J 1/16W		
R311			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R312			RK73GB1J363J	CHIP R 36K J 1/16W		
R313			RK73GB1J273J	CHIP R 27K J 1/16W		
R315			RK73GB1J681J	CHIP R 680 J 1/16W		
R316			RD14NB2E181J	RD 180 J 1/4W		
R317			RK73GB1J221J	CHIP R 220 J 1/16W		
R318			RD14NB2E121J	RD 120 J 1/4W		
R320			RK73GB1J104J	CHIP R 100K J 1/16W		
R321			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R323			RD14NB2E331J	RD 330 J 1/4W		
R324			RK73GB1J101J	CHIP R 100 J 1/16W		
R325			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R326,327			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R328			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R329			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R330			RK73GB1J103J	CHIP R 10K J 1/16W		
R331			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R332-336			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R337			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R356			RK73GB1J105J	CHIP R 1.0M J 1/16W		
R407			RD14NB2E4R7J	RD 4.7 J 1/4W		

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△ R449			RD14NB2E2R2J	RD 2.2 J 1/4W		
R515			RK73GB1J220J	CHIP R 22 J 1/16W		
R516			RK73GB1J621J	CHIP R 620 J 1/16W		
R519			RK73GB1J100J	CHIP R 10 J 1/16W		
R525			RK73GB1J273J	CHIP R 27K J 1/16W		
R532-536			RK73GB1J103J	CHIP R 10K J 1/16W		
R537			RK73GB1J102J	CHIP R 1.0K J 1/16W		
VR301			R12-3100-05	TRIMMING POT.(10K)		
W150-152			R92-0679-05	CHIP R 0 OHM		
W156-159			R92-0679-05	CHIP R 0 OHM		
W161-163			R92-0679-05	CHIP R 0 OHM		
W171-173			R92-1252-05	CHIP R 0 OHM		
W175-180			R92-1252-05	CHIP R 0 OHM		
W250			R92-1252-05	CHIP R 0 OHM		
W252			R92-0679-05	CHIP R 0 OHM		
W271,272			R92-1252-05	CHIP R 0 OHM		
W551,552			R92-0679-05	CHIP R 0 OHM		
W553			R92-1252-05	CHIP R 0 OHM		
△ K401			S76-0102-05	MAGNETIC RELAY		
S501-516		*	S70-0031-05	TACT SWITCH		
S501-516		*	S70-0086-05	TACT SWITCH		
S517		*	T99-0646-05	ROTARY ENCODER		
D29			DA204U	DIODE		
D29			MA143A	DIODE		
D29			1SS302	DIODE		
D102			1SS402	DIODE		
D103			MTZJ5.1(B)	ZENER DIODE		
D103			RD5.1ES(B)	ZENER DIODE		
D104			HSS104A	DIODE		
D104			1SS133	DIODE		
D201			HSS104A	DIODE		
D201			1SS133	DIODE		
D202,203			DA204U	DIODE		
D202,203			MA143A	DIODE		
D202,203			1SS302	DIODE		
△ D205			1T2	DIODE		
D301,302			DA204U	DIODE		
D301,302			MA143A	DIODE		
D301,302			1SS302	DIODE		
D303			MTZJ5.1(B)	ZENER DIODE		
D303			RD5.1ES(B)	ZENER DIODE		
△ D402-409			HSS104A	DIODE		
△ D402-409			1SS133	DIODE		
D410,411			MTZJ20(B)	ZENER DIODE		
D410,411			RD20ES(B)	ZENER DIODE		
D412			HSS104A	DIODE		
D412			1SS133	DIODE		
△ D421,422			D3SBA20F03	DIODE		
△ D423-426			1T2	DIODE		
D427			HSS104A	DIODE		
D427			1SS133	DIODE		
D428			MTZJ10(B)	ZENER DIODE		
D428			RD10ES(B)	ZENER DIODE		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D429			HSS104A	DIODE		
D429			1SS133	DIODE		
D430			MTZJ3.9(B)	ZENER DIODE		
D430			RD3.9ES(B)	ZENER DIODE		
D431-433			HSS104A	DIODE		
D431-433			1SS133	DIODE		
D434-436			S5688B(TPB5)	DIODE		
D437			MA111	DIODE		
D440,441			S5688B(TPB5)	DIODE		
△ D442-445			HSS104A	DIODE		
△ D442-445			1SS133	DIODE		
D446-448			DA204U	DIODE		
D446-448			MA143A	DIODE		
D446-448			1SS302	DIODE		
D501			MTZJ6.2(B)	ZENER DIODE		
D501			RD6.2ES(B)	ZENER DIODE		
ED501		*	HNA-16MM30T	FLUORESCENT INDICATOR TUBE		
IC1		*	M61510FP	ANALOGUE IC		
IC3		*	HD74LV1G08A	MOS-IC		
IC11		*	MN101C49KLA	MI-COM IC		
IC12			S-80840ANY	ANALOGUE IC		
IC21		*	AN8806SBM	ANALOGUE IC		
IC22		*	MN662748RPMFA	MOS-IC		
IC23		*	AN4801SB-E1	ANALOGUE IC		
IC24			NJM4565MD	IC(OP AMP X2)		
△ IC25			TA7805SB	ANALOGUE IC		
IC31			TA2099N	ANALOGUE IC		
IC32			LC72131	MOS-IC		
△ IC51			XC62HR5102P	ANALOGUE IC		
△ IC52		*	SLA3008M	ANALOGUE IC		
△ IC53		*	LA4262	ANALOGUE IC		
△ IC54		*	SI-3050J	ANALOGUE IC		
IC61		*	M66004-001FPG	MOS-IC		
Q101			2SC4081(R,S)	TRANSISTOR		
Q101			2SD1819A(Q,R)	TRANSISTOR		
Q201			2SA1577(Q,R)	TRANSISTOR		
Q203			2SC4081(R,S)	TRANSISTOR		
Q203			2SD1819A(Q,R)	TRANSISTOR		
Q204			2SA1577(Q,R)	TRANSISTOR		
Q205			2SC4081(R,S)	TRANSISTOR		
Q205			2SD1819A(Q,R)	TRANSISTOR		
Q301			DTA114EUA	DIGITAL TRANSISTOR		
Q301			UN5111	DIGITAL TRANSISTOR		
Q401			2SC2785(F,E)	TRANSISTOR		
Q402			2SA1175(F,E)	TRANSISTOR		
Q403			2SC3940A(R,S)	TRANSISTOR		
Q405,406			DTA124ESA	DIGITAL TRANSISTOR		
Q405,406			UN4112	DIGITAL TRANSISTOR		
Q411,412			2SC2878(B)	TRANSISTOR		
Q501,502			HN1C01F	DUAL TRANSISTOR		
Q503			2SC4081(R,S)	TRANSISTOR		
Q503			2SD1819A(Q,R)	TRANSISTOR		
A301		*	W02-2786-05	FM FRONT-END ASSY		
A501			W02-2734-05	OPTIC RECEIVING MODULE		

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<b>RECORD/PLAYBACK (X28-3130-00)</b>						
C1 ,2 C3 ,4 C5 ,6 C7 ,8 C9 ,10			CC73GCH1H681J CQ93FMG1H822J CQ93FMG1H393J CE04LW1H100M CE04LW1HR22M	CHIP C 680PF J MYLAR 8200PF J MYLAR 0.039UF J ELECTRO 10UF 50WV ELECTRO 0.22UF 50WV		
C11 ,12 C13 ,14 C15 ,16 C17 ,18 C19 ,20			CE04LW1H4R7M CE04LW1H100M CC45FSL1H221J CC73GCH1H221J CE04LW1H4R7M	ELECTRO 4.7UF 50WV ELECTRO 10UF 50WV CERAMIC 220PF J CHIP C 220PF J ELECTRO 4.7UF 50WV		
C21 ,22 C100 C101 C103 C104			CK73GB1H472K CE04PW1A101M CE04PW1H010M CE04PW1E470M CE04PW1H4R7M	CHIP C 4700PF K ELECTRO 100UF 10WV ELECTRO 1UF 50WV ELECTRO 47UF 25WV ELECTRO 4.7UF 50WV		
C105 C106 C107,108 C109 C110			CE04PW1H010M CE04PW1H100M CQ93FMG1H472J CQ93FMG1H183J CE04PW1E470M	ELECTRO 1UF 50WV ELECTRO 10UF 50WV MYLAR 4700PF J MYLAR 0.018UF J ELECTRO 47UF 25WV		
C111 C114			CQ93HP2A822J CE04PW1A101M	MYLAR 8200PF J ELECTRO 100UF 10WV		
CN1 CN2 CN3		*	E40-4910-05 E40-4937-05 E40-3250-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PIN ASSY		
E1 -3			J11-0808-05	WIRE CLAMPER		
L1 ,2 L3 L4		*	L40-1035-20 L32-1038-05 L40-1001-82	SMALL FIXED INDUCTOR(10MH,J) BIAS OSCILATING COIL SMALL FIXED INDUCTOR(10UH)		
R1 ,2 R3 ,4 R5 ,6 R7 ,8 R9 ,10			RK73GB1J224J RK73GB1J103J RK73GB1J512J RK73GB1J752J RK73GB1J562J	CHIP R 220K J 1/16W CHIP R 10K J 1/16W CHIP R 5.1K J 1/16W CHIP R 7.5K J 1/16W CHIP R 5.6K J 1/16W		
R11 ,12 R13 ,14 R15 ,16 R17 ,18 R19 ,20			RK73GB1J272J RK73GB1J432J RK73GB1J153J RK73GB1J103J RK73GB1J473J	CHIP R 2.7K J 1/16W CHIP R 4.3K J 1/16W CHIP R 15K J 1/16W CHIP R 10K J 1/16W CHIP R 47K J 1/16W		
R21 -24 R25 ,26 R100 R101 R103			RK73GB1J105J RK73GB1J102J RD14NB2E4R7J RK73GB1J223J RK73GB1J101J	CHIP R 1.0M J 1/16W CHIP R 1.0K J 1/16W RD 4.7 J 1/4W CHIP R 22K J 1/16W CHIP R 100 J 1/16W		
R104,105 R107 R110 R111,112 R113			RK73GB1J103J RK73GB1J103J RK73GB1J183J RK73GB1J103J RD14NB2E100J	CHIP R 10K J 1/16W CHIP R 10K J 1/16W CHIP R 18K J 1/16W CHIP R 10K J 1/16W RD 10 J 1/4W		
R118,119 R120			RK73GB1J473J RK73GB1J222J	CHIP R 47K J 1/16W CHIP R 2.2K J 1/16W		

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R122 R123 R125 VR1 ,2 W50			RK73GB1J332J RD14NB2E1R0J RK73GB1J473J R12-6013-05 R92-0670-05	CHIP R 3.3K J 1/16W RD 1 1/4W CHIP R 47K J 1/16W TRIMMING POT.(330K) CHIP R 0 OHM		
D1 ,2 D1 ,2 D4 IC1 Q1 ,2			HSS104A 1SS133 S5688B(TPB5) HA12230NT 2SB1424(Q,R)	DIODE DIODE DIODE ANALOGUE IC TRANSISTOR		
Q3 Q3 Q4 Q4 Q5 ,6			DTC143TSA UN4216 KRC103M UN4212 DTC124EUA	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q5 ,6 Q8 Q8 Q9 ,10 Q9 ,10			UN5212 KTC3205 2SC3940A(R,S) KTC3199(Y,GR) 2SC2785(F,E)	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q15 -18 Q19 Q19		*	RK7002 DTC124EUA UN5212	FET DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
<b>MD CONTROL (X33-1260-00)</b>						
C1 C2 ,3 C5 C7 C8		*	CK73GB1C104K CE32AP0J101M CK73GB1C104K CK73GB0J474K CK73GF1E104Z	CHIP C 0.10UF K CHIP EL 100UF 6.3WV CHIP C 0.10UF K CHIP C 0.47UF K CHIP C 0.10UF Z		
C8 C9 C10 C11 C12		*	CK73GF1H104Z CK73GB1H472K CC73GCH1H101J CK73GB0J474K CK73GB1E153K	CHIP C 0.10UF Z CHIP C 4700PF K CHIP C 100PF J CHIP C 0.47UF K CHIP C 0.015UF K		
C13 C13 C14 C18 C22 ,23		*	CK73GF1E104Z CK73GF1H104Z CC73GCH1H100D CK73GB1E103K CK73GF1E104Z	CHIP C 0.10UF Z CHIP C 0.10UF Z CHIP C 10PF D CHIP C 0.010UF K CHIP C 0.10UF Z		
C22 ,23 C30 C31 C32 C35		*	CK73GF1H104Z CE32AP1C100M CE32AP0J101M CK73GB1H222K C92-0232-05	CHIP C 0.10UF Z CHIP EL 10UF 16WV CHIP EL 100UF 6.3WV CHIP C 2200PF K ELECTRO 10UF 16WV		
C36 C36 C37 C38 C38		*	CK73GF1E104Z CK73GF1H104Z CK73GB1H222K CK73GF1E104Z CK73GF1H104Z	CHIP C 0.10UF Z CHIP C 0.10UF Z CHIP C 2200PF K CHIP C 0.10UF Z CHIP C 0.10UF Z		
C39 C40 C41 C42 ,43 C45		*	C92-0232-05 C91-1597-05 C93-0032-05 CK73GB1H471K CE32AP0J101M	ELECTRO 10UF 16WV CERAMIC 4.7UF Z CHIP C 10UF 10WV CHIP C 470PF K CHIP EL 100UF 6.3WV		

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PARTS LIST

MDX-G3

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C46 -48			CK73GF1E104Z	CHIP C	0.10UF	Z
C46 -48		*	CK73GF1H104Z	CHIP C	0.10UF	Z
C51		*	C92-0232-05	ELECTRO	10UF	16WV
C52			CK73GF1E104Z	CHIP C	0.10UF	Z
C52		*	CK73GF1H104Z	CHIP C	0.10UF	Z
C54			CK73GB1E223K	CHIP C	0.022UF	K
C55			CK73GB1H102K	CHIP C	1000PF	K
C56			CK73GF1A105Z	CHIP C	1.0UF	Z
C57			CK73GB1C104K	CHIP C	0.10UF	K
C58			CK73GB1E103K	CHIP C	0.010UF	K
C59			CK73GB1E223K	CHIP C	0.022UF	K
C60			CE32AP1C100M	CHIP EL	10UF	16WV
C62			CK73GB1C104K	CHIP C	0.10UF	K
C63			CK73GB1E103K	CHIP C	0.010UF	K
C64			CK73GB1E223K	CHIP C	0.022UF	K
C65			CK73GB1A224K	CHIP C	0.22UF	K
C66			CK73GF1A105Z	CHIP C	1.0UF	Z
C67			CK73GB1H472K	CHIP C	4700PF	K
C68			CK73GB1C683K	CHIP C	0.068UF	K
C69			CK73GB1E223K	CHIP C	0.022UF	K
C71 ,72			CK73GF1E104Z	CHIP C	0.10UF	Z
C71 ,72		*	CK73GF1H104Z	CHIP C	0.10UF	Z
C73 ,74			CK73GF1A105Z	CHIP C	1.0UF	Z
C75			CK73GF1E104Z	CHIP C	0.10UF	Z
C75		*	CK73GF1H104Z	CHIP C	0.10UF	Z
C76			CK73GB0J474K	CHIP C	0.47UF	K
C80		*	CE32AP0J101M	CHIP EL	100UF	6.3WV
C81			CK73GF1E104Z	CHIP C	0.10UF	Z
C81		*	CK73GF1H104Z	CHIP C	0.10UF	Z
C82 -85			CK73GB1H152K	CHIP C	1500PF	K
C86 -89			CC73GCH1H391J	CHIP C	390PF	J
CN1			E40-8401-05	FLAT CABLE CONNECTOR		
CN3		*	E40-8687-05	FLAT CABLE CONNECTOR		
L1 -4			L79-1216-05	LINE FILTER		
L1 -4			L92-0075-05	CHIP FERRITE		
L8			L79-1216-05	LINE FILTER		
L8			L92-0075-05	CHIP FERRITE		
X1		*	L77-2328-05	CRYSTAL OSCILLATOR(16.9344MHZ)		
X2		*	L78-0722-05	OSCILLATOR (10MHZ)		
R3 -6			RK73GB1J221J	CHIP R	220	J 1/16W
R8 -10			RK73GB1J103J	CHIP R	10K	J 1/16W
R12			RK73GB1J3R3J	CHIP R	3.3	J 1/16W
R14			RK73GB1J104J	CHIP R	100K	J 1/16W
R15			RK73GB1J684J	CHIP R	680K	J 1/16W
R16			RK73GB1J101J	CHIP R	100	J 1/16W
R17			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R18			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R19			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R20			RK73GB1J151J	CHIP R	150	J 1/16W
R21 ,22			RK73GB1J103J	CHIP R	10K	J 1/16W
R23			RK73GB1J104J	CHIP R	100K	J 1/16W
R24 -26			RK73GB1J101J	CHIP R	100	J 1/16W
R30		*	R92-1969-05	METAL GLAZE	200	F 1/16W

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R31			R92-1970-05	METAL GLAZE	360	F 1/16W
R35		*	RK73GB1J1R0J	CHIP R	1	J 1/16W
R36 ,37			RK73GB1J101J	CHIP R	100	J 1/16W
R39 ,40			RK73GB1J471J	CHIP R	470	J 1/16W
R41			RK73GB1J221J	CHIP R	220	J 1/16W
R42			RK73GB1J133J	CHIP R	13K	J 1/16W
R43			RK73GB1J183J	CHIP R	18K	J 1/16W
R45			RK73GB1J332J	CHIP R	3.3K	J 1/16W
R46			RK73GB1J4R7J	CHIP R	4.7	J 1/16W
R47 ,48			RK73GB1J473J	CHIP R	47K	J 1/16W
R49			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R50			RK73GB1J101J	CHIP R	100	J 1/16W
R51			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R52 -55			RK73GB1J474J	CHIP R	470K	J 1/16W
R56 -58			RK73GB1J473J	CHIP R	47K	J 1/16W
R59 ,60			RK73GB1J103J	CHIP R	10K	J 1/16W
R62			RK73GB1J473J	CHIP R	47K	J 1/16W
R64			RK73GB1J473J	CHIP R	47K	J 1/16W
R65 ,66			RK73GB1J101J	CHIP R	100	J 1/16W
R67 -69			RK73GB1J473J	CHIP R	47K	J 1/16W
R70			RK73GB1J3R3J	CHIP R	3.3	J 1/16W
R71			RK73GB1J563J	CHIP R	56K	J 1/16W
R72 ,73			RK73GB1J133J	CHIP R	13K	J 1/16W
R75 ,76			RK73GB1J104J	CHIP R	100K	J 1/16W
R77			RK73GB1J103J	CHIP R	10K	J 1/16W
R78			RK73GB1J101J	CHIP R	100	J 1/16W
R79			RK73GB1J561J	CHIP R	560	J 1/16W
R80			RK73GB1J101J	CHIP R	100	J 1/16W
R82			RK73GB1J101J	CHIP R	100	J 1/16W
R83 ,84			RK73GB1J103J	CHIP R	10K	J 1/16W
R85			RK73GB1J222J	CHIP R	2.2K	J 1/16W
R86			RK73GB1J474J	CHIP R	470K	J 1/16W
R87			RK73GB1J335J	CHIP R	3.3M	J 1/16W
R88			RK73GB1J474J	CHIP R	470K	J 1/16W
R89			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R93			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R94			RK73GB1J681J	CHIP R	680	J 1/16W
R95			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R96			RK73GB1J104J	CHIP R	100K	J 1/16W
R97			R92-1853-05	CHIP-RN	1	1/4W
R98			R92-1854-05	RN	2.2	K 1/2W
R99			RK73GB1J103J	CHIP R	10K	J 1/16W
R100			RK73GB1J473J	CHIP R	47K	J 1/16W
R101-103			RK73GB1J102J	CHIP R	1.0K	J 1/16W
R112,113			RK73GB1J223J	CHIP R	22K	J 1/16W
R114,115			RK73GB1J104J	CHIP R	100K	J 1/16W
R116			RK73GB1J1R0J	CHIP R	1	J 1/16W
R117,118			RK73GB1J183J	CHIP R	18K	J 1/16W
R119,120			RK73GB1J104J	CHIP R	100K	J 1/16W
R121			RK73GB1J183J	CHIP R	18K	J 1/16W
R122,123			RK73GB1J104J	CHIP R	100K	J 1/16W
R124-126			RK73GB1J183J	CHIP R	18K	J 1/16W
R127,128			RK73GB1J104J	CHIP R	100K	J 1/16W
R129			RK73GB1J514J	CHIP R	510K	J 1/16W
W2 -6			R92-0679-05	CHIP R	0 OHM	

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S1 S2 ,3 S4 S5		*	S68-0133-05 S64-0052-05 S68-0132-05 S64-0052-05	PUSH SWITCH LEVER SWITCH PUSH SWITCH LEVER SWITCH		
D1 ,2 D3 ,4 D5 ,6 IC1 IC2		*	FS1J6TP MA111 S1B CXD2662R CXA2523AR	DIODE DIODE DIODE MOS-IC IC(RF SERVO)		
IC2 IC3 IC4 IC5 IC6		*	CXA2523AR* HD6432227N14FA BA5984FP LC32S4400T-10 RC1117ST	IC IC IC(CD POWER DRIVER) IC IC		
IC7 IC8 IC10 IC11		*	BR24C02F S-24C02BFJ-TB BD7910FV AK4550VT C6006AZ	IC(E2PROM) IC(MEMORY IC) MOS-IC MOS-IC IC		
Q1 Q2 Q3 Q4 Q5 ,6 Q7 Q8 Q9 Q10 Q11		*	UMW1N 2SA1576A(R,S) 2SB798-DL DTA144EUA DTC114YUA DTA124EUA DTC124EUA 2SA1576A(R,S) DTC124EUA DTA144EUA	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
<b>MD MECHANISM (D40-1702-05) MDM-07(1)</b>						
201 202 203 204 205	1B 2B 2B 3A 2B	*	A10-3531-08 J19-6125-08 G02-1716-08 D13-2510-08 D10-3958-08	CHASSIS TU BRACKET ASSY FLAT SPRING THRUST RACK GEAR LEVER LIMIT		
206 207 208 209 210	2A 2A 2A 1A 2A	*	A11-1189-08 D10-3959-08 D10-3961-08 D10-3963-08 D13-2511-08	SUB CHASSIS ASSY ARM ASSY MAIN LEVER ASSY HEAD SLIDER MAIN GEAR FINAL		
211 212 213 215 216	3A 2B 1A 2B 2B	*	J19-6127-08 A15-0106-08 F11-0503-08 D10-3982-08 D10-3957-08	HOLD ASSY FRAME SHIELD CASE ROD SUB ROD		
218 219 220 221 224	1B 1B 2B 2B 2B	*	A11-1187-08 D13-2504-08 D13-2505-08 D13-2516-08 D13-2509-08	SUB CHASSIS ASSY, TU GEAR LOAD A GEAR LOAD B GEAR LOAD C GEAR INTERMEDIATE		
225 226 227 228 229	3A 3A 2B 1B 2B	*	D10-3964-08 D10-3965-08 J02-1492-08 G01-4230-08 G01-4231-08	SLIDER LOAD ARM LOAD INSULATOR TORSION SPRING SPM TENSION SPRING		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
230 231 232 233 234	2A 2A 3A 3B 3A	*	G01-4235-08 G01-4233-08 G01-4234-08 N39-1745-46 N09-3104-05	TENSION SPRING TORSION SPRING TENSION SPRING SCREW M1.7X4.5 SCREW M1.7X2		
235 236 237 238 239	3A,2B 2A,2B 2B 1B 1B,2B	*	N09-3279-05 N09-5113-08 N09-5229-08 N09-5230-08 N09-5231-08	SCREW M1.7X3 SCREW 1.7X7 SCREW 1.4X1.8 SCREW 1.4X2.2 SCREW 1.7X4		
240 241 242 243 244	1A 2A,2B 2B 2A 2B	*	N86-2004-46 N19-0366-04 N19-1511-08 N19-1171-04 N09-5285-08	SCREW 2X4 FLAT WASHER 2.1X4X0.5 FLAT WASHER 2.5X0.9X0.25 FLAT WASHER 1.6X3.5X0.25 SCREW M1.7X4.5		
250 251 255 256 257	3B,2E 3B 2B 3B 3B	*	E35-2691-08 E35-2348-18 D13-2506-08 G16-1236-08 G11-2825-08	FLAT CABLE L=80MM FLAT CABLE PU,21P GEAR ASSY SHEET TAPE		
DMMD FMMD LMMD PUMD RHMD	1B 2A 1B 3A 3A	*	T42-0983-05 T42-0985-08 T42-0984-08 T25-0085-05 T30-0027-05	MOTOR ASSY MOTOR ASSY FEED MOTOR ASSY LOAD PICKUP RECORD HEAD		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia  
Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)  
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas  $\Delta$  indicates safety critical components.

PARTS LIST

MDX-G3

## SPECIFICATIONS

**Amplifier section**

Rated output power during STEREO operation  
1 kHz, 10%, 4Ω ..... 4 W + 4 W

**Tuner section**

FM tuner  
Tuning frequency range ..... 87.5 MHz ~ 108 MHz  
AM tuner  
Tuning frequency range  
..... 531 kHz ~ 1,602 kHz

MD Recorder section  
Laser wave length ..... 765 to 805 nm  
Laser power class ..... Class 3B  
Laser ..... Semiconductor laser  
Recording method  
..... Field modulating overwriting  
Audio compression  
..... ATRAC, ATRAC3

D/A conversion ..... 1 Bit  
Wow & flutter ..... Unmeasurable limit

**CD Player section**

Laser wave length ..... 760 to 800 nm  
Laser power class ..... Class 1  
Laser ..... Semiconductor laser  
D/A conversion ..... 1 Bit  
Over sampling frequency ..... 8 fs (352.8 kHz)  
Frequency response ..... 20 Hz to 20 kHz  
Wow & flutter ..... Unmeasurable limit

**Cassette Deck section**

Track ..... 4-track, 2-channel stereo  
Recording system ..... AC bias (Frequency: 105 kHz)  
Heads  
Playback/recording head ..... x 1  
Erasing head ..... x 1  
Fast winding time ..... Approx. 110 sec. (C-60 tape)

**Speakers**

Enclosures ..... Bass-reflex type  
Speaker units ..... 80 mm, cone type

**General**

Power consumption ..... 35 W  
Dimensions ..... W : 409 mm (16-1/8")  
H : 172 mm (6-3/4")  
D : 225 mm (8-7/8")  
Weight (net) ..... 5.6 kg (12.3 lb)



- KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
- The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).



# MDX-G3

QQ 376315150

892498299

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